

FIG.1



FIG. 3

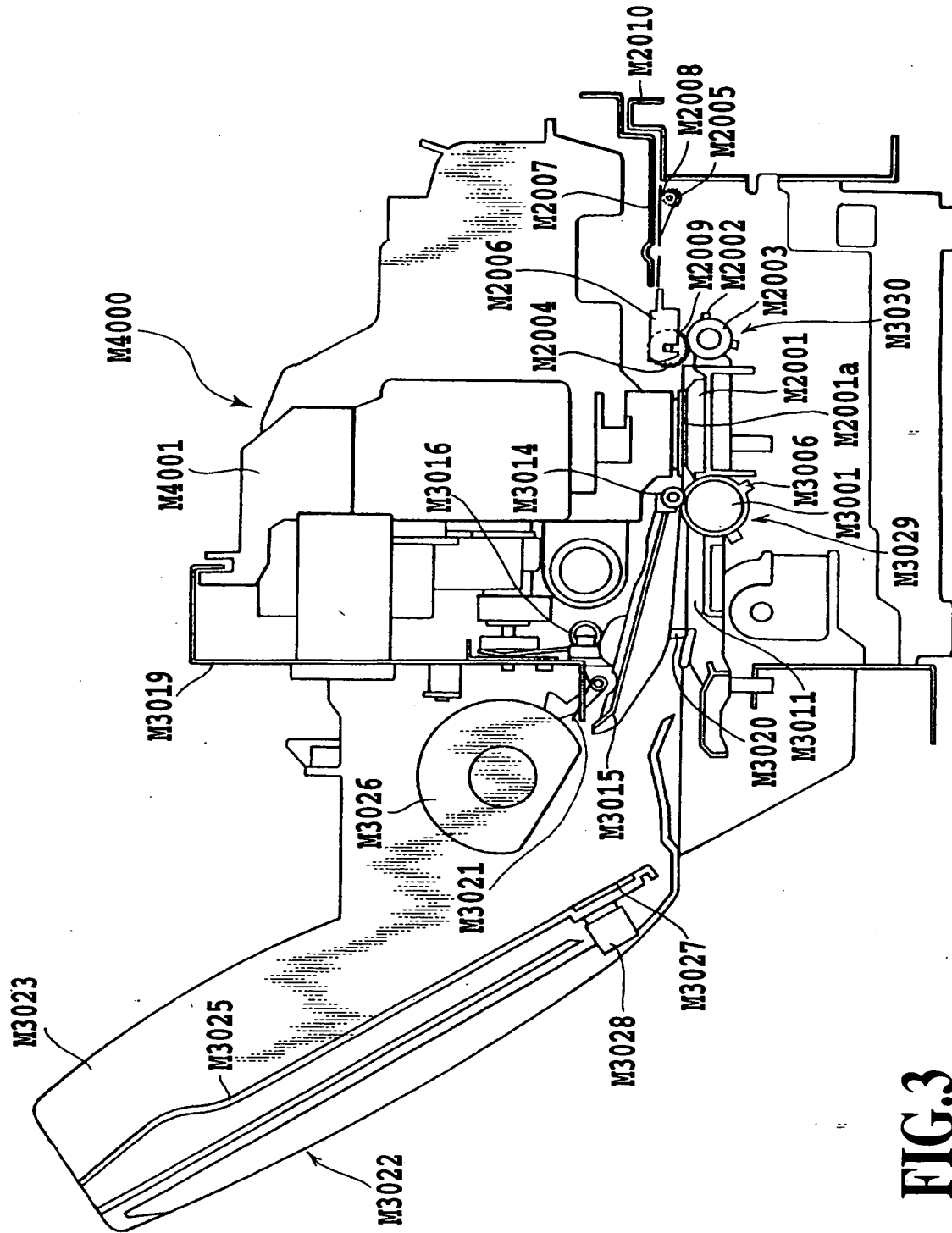


FIG. 3

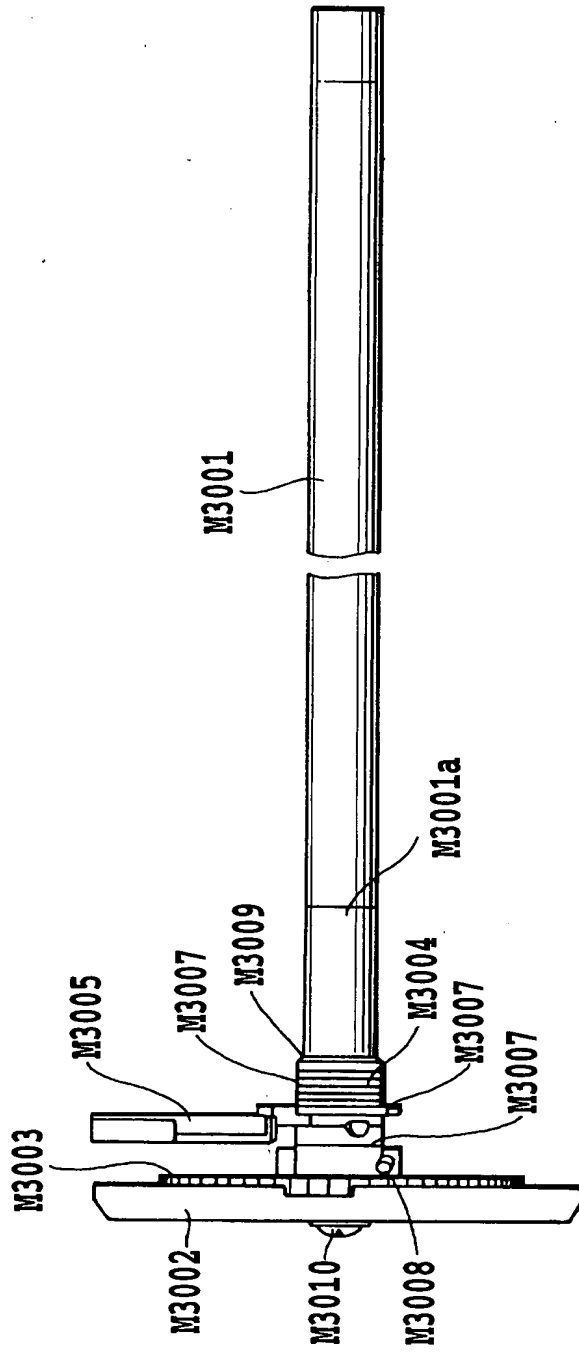


FIG.4

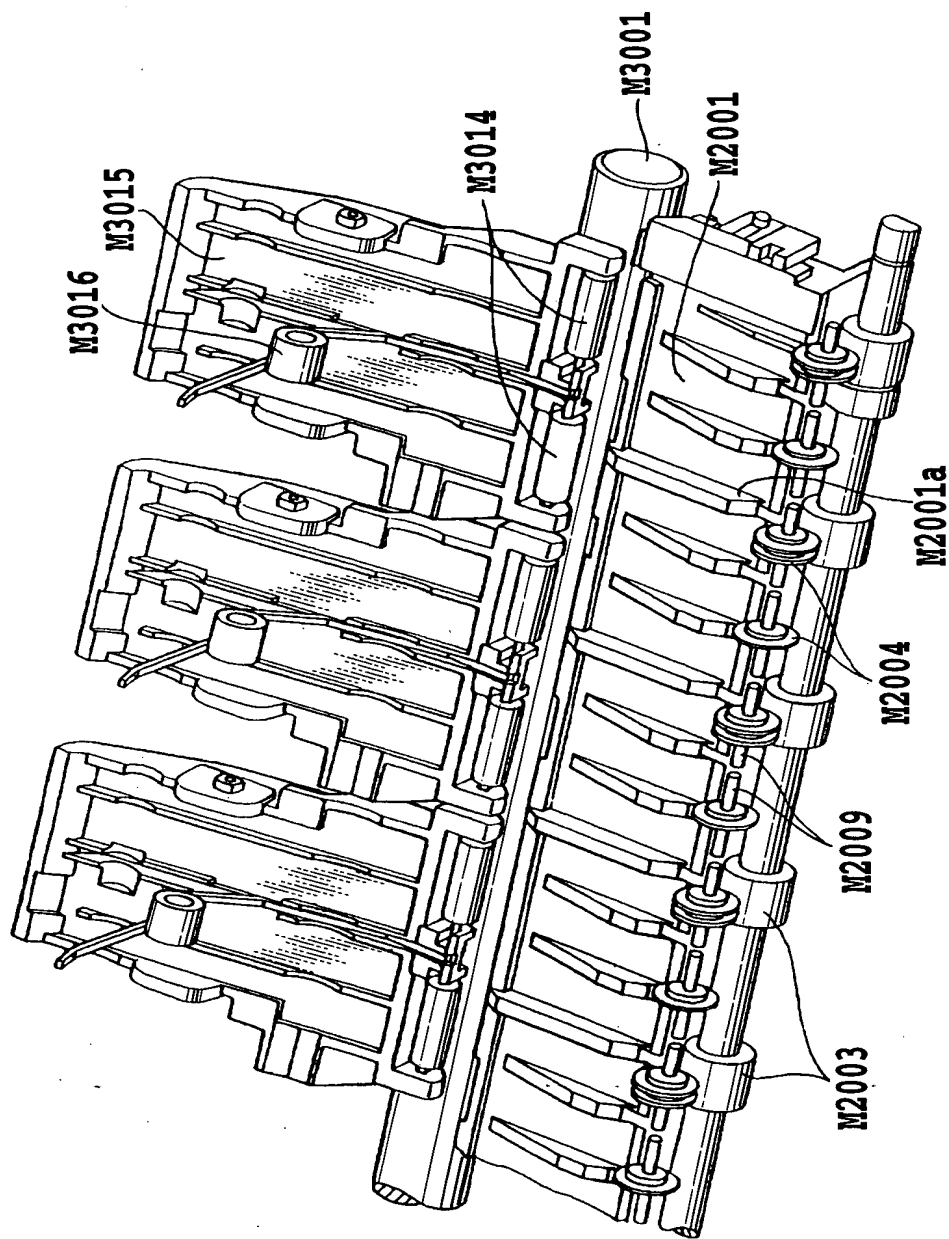


FIG.5

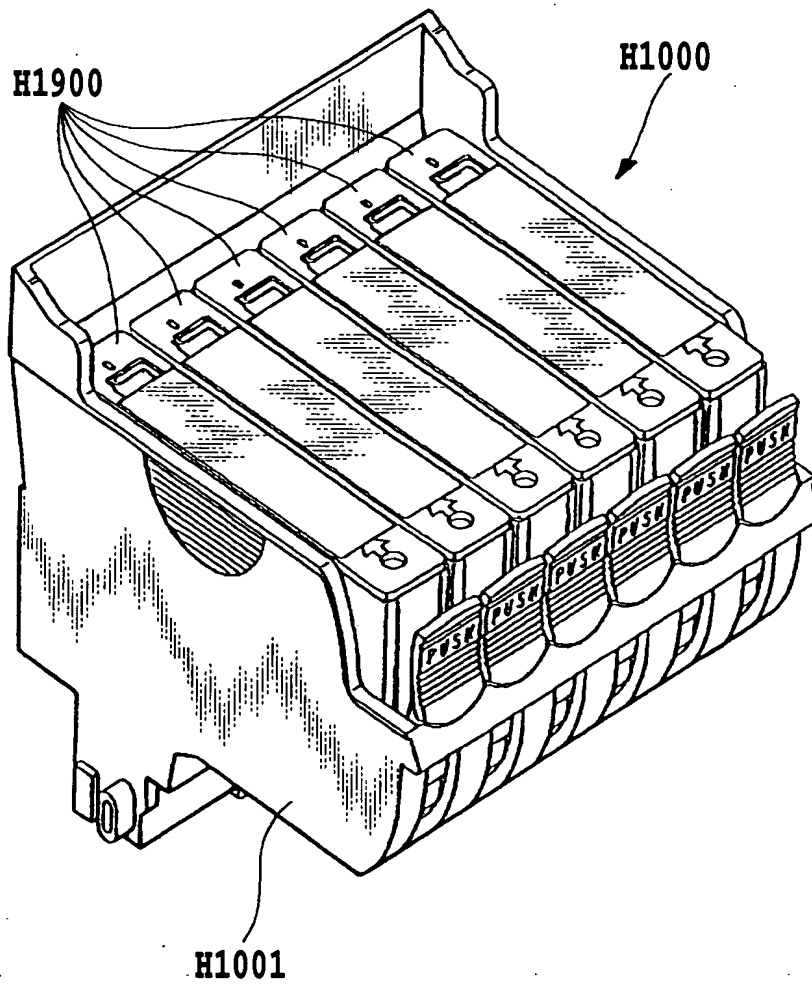


FIG.6

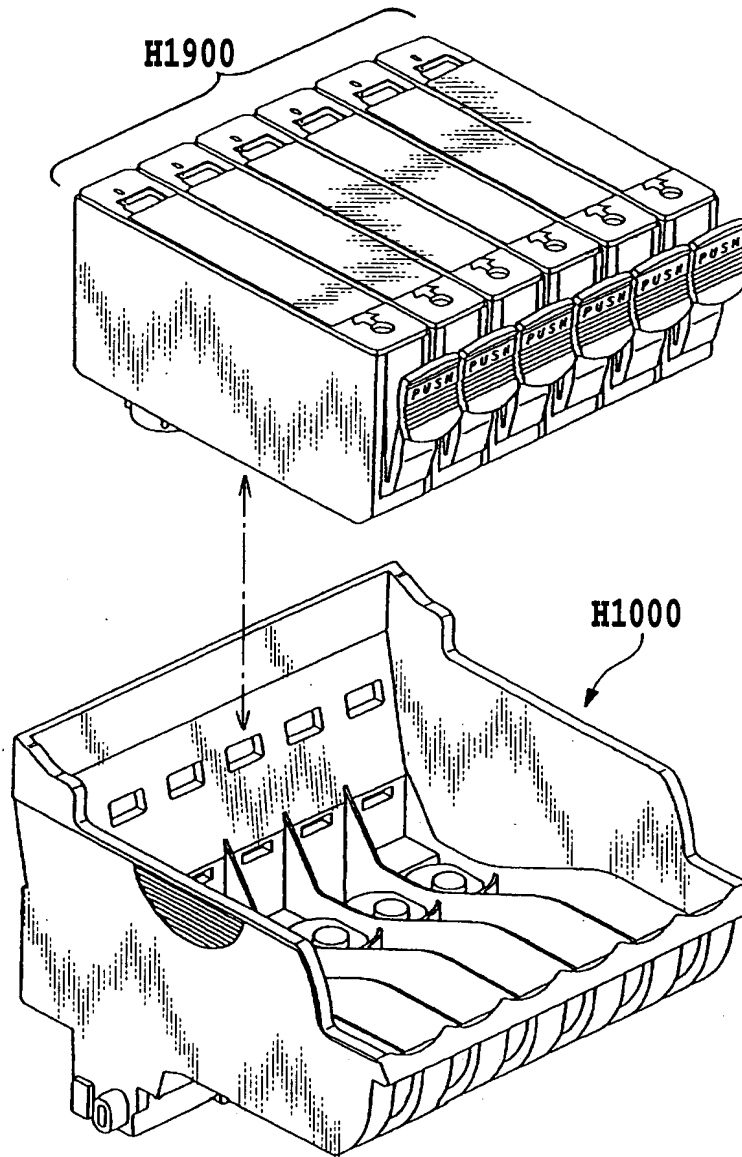


FIG.7

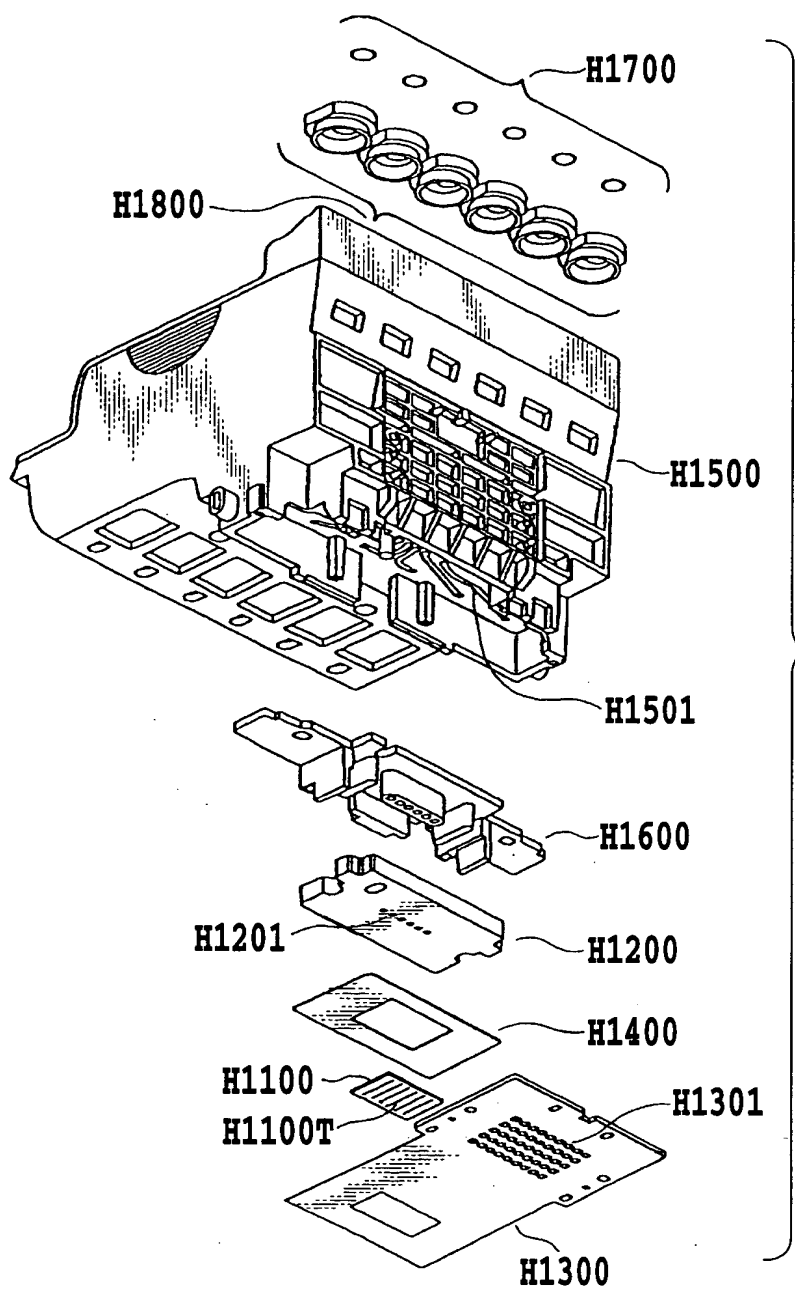


FIG.8

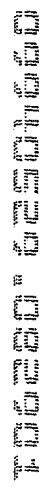
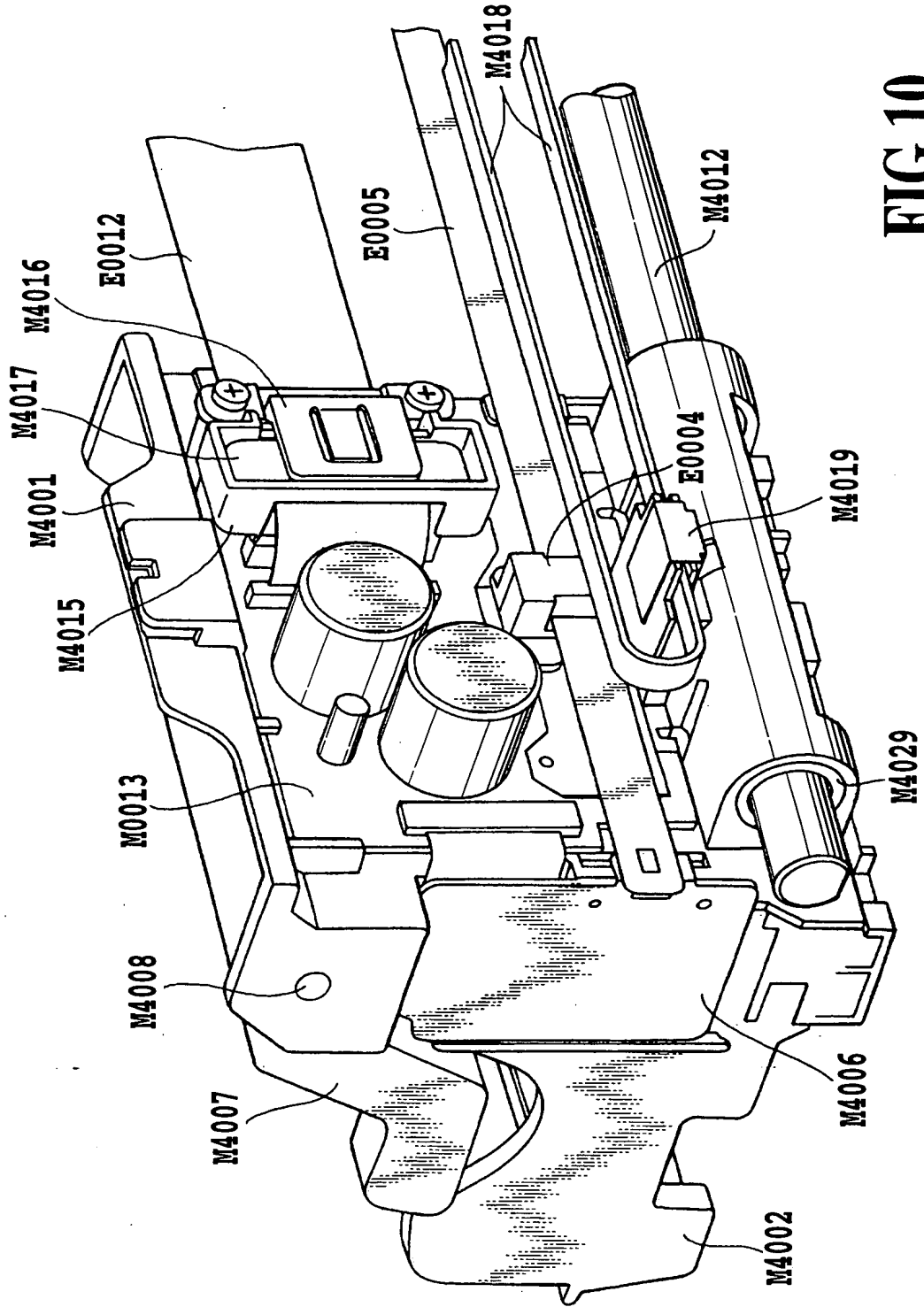


FIG. 9



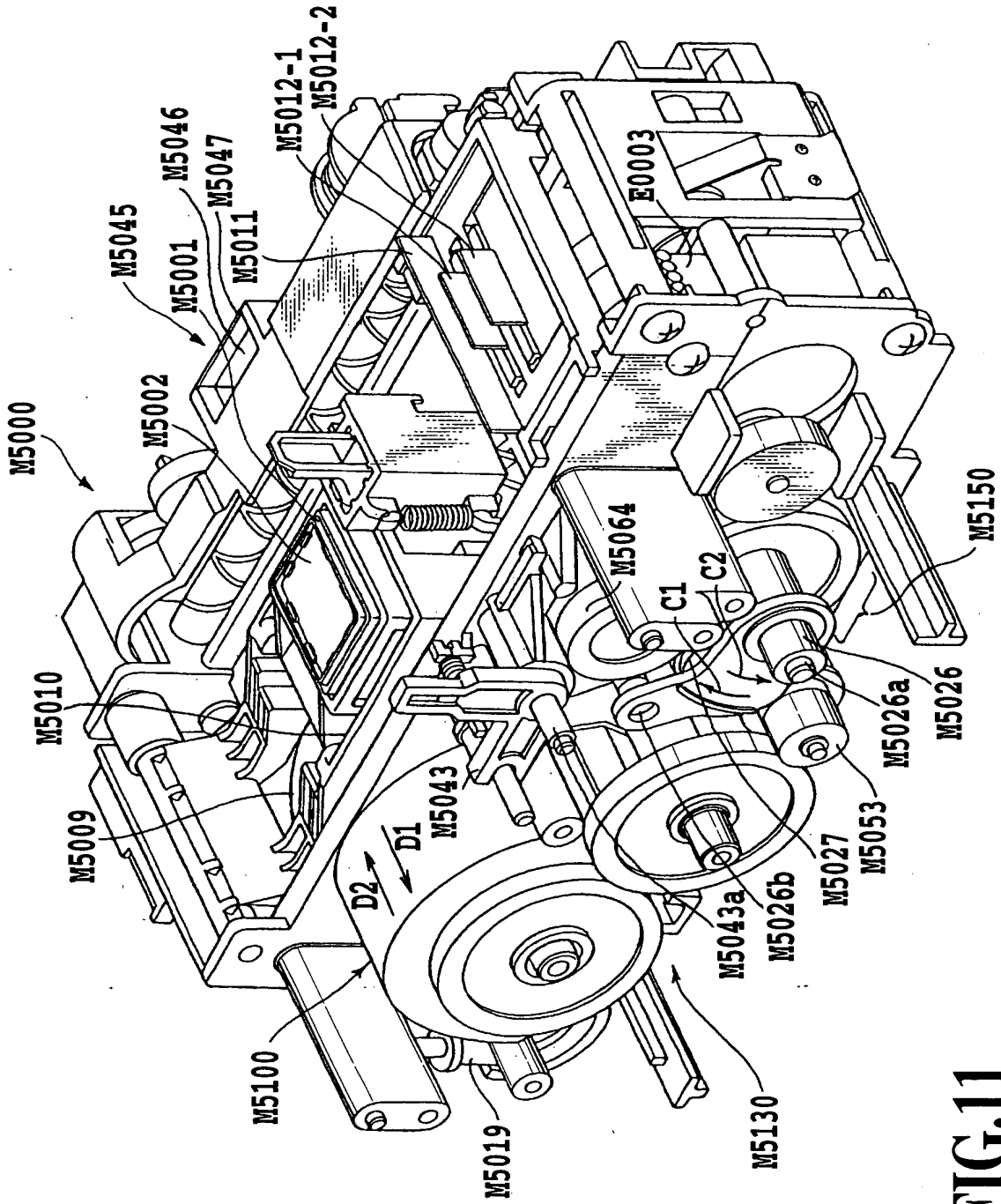


FIG.11

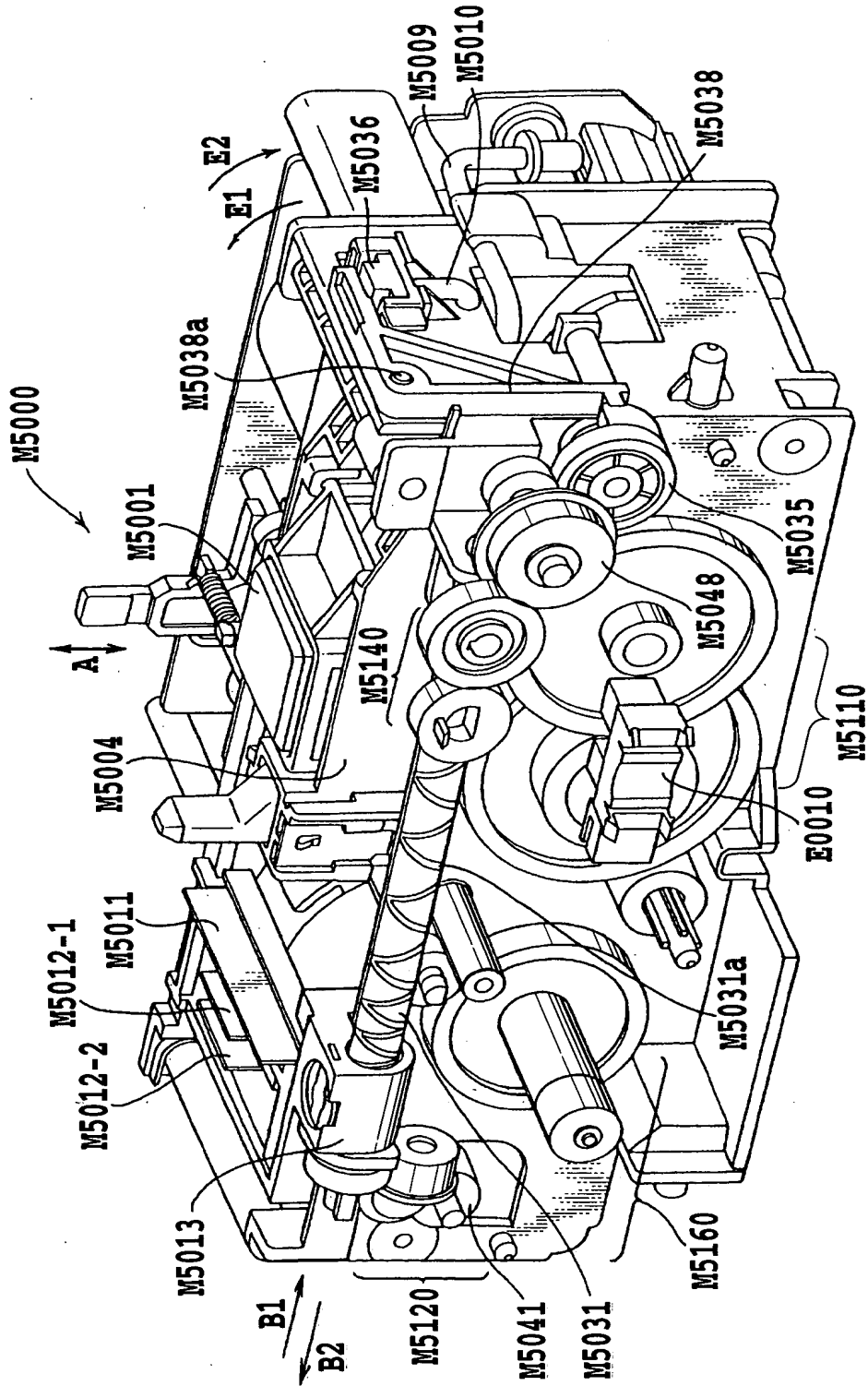


FIG.12

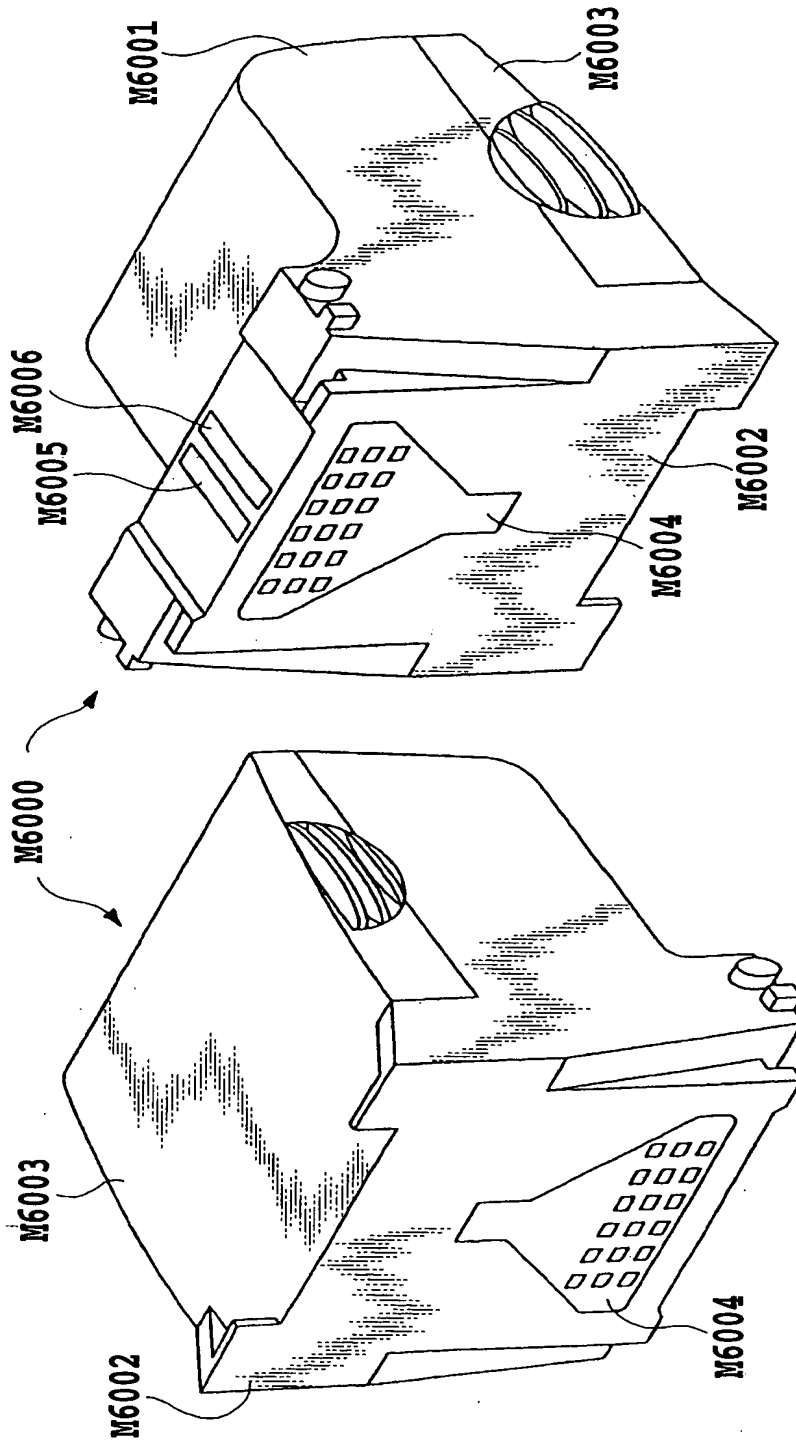


FIG.13B

FIG.13A

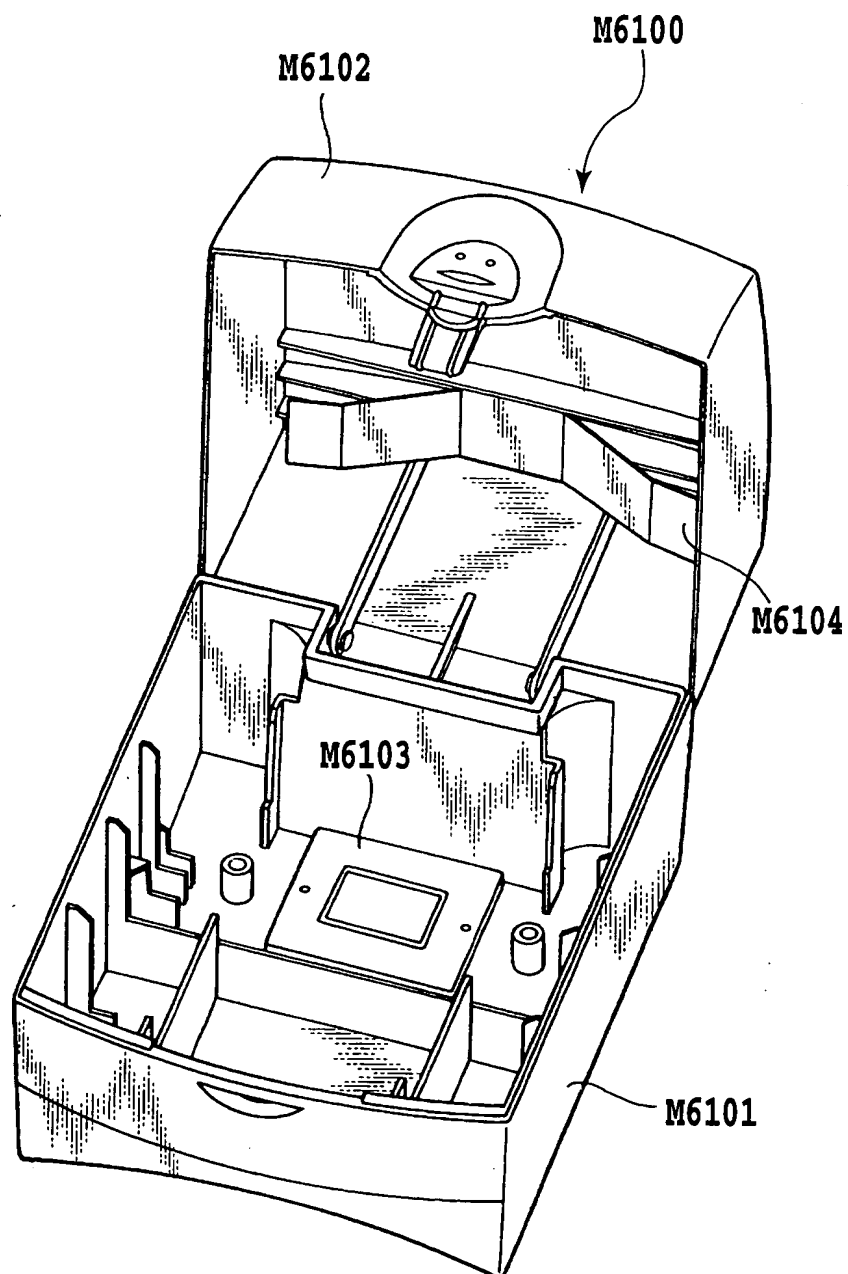


FIG.14

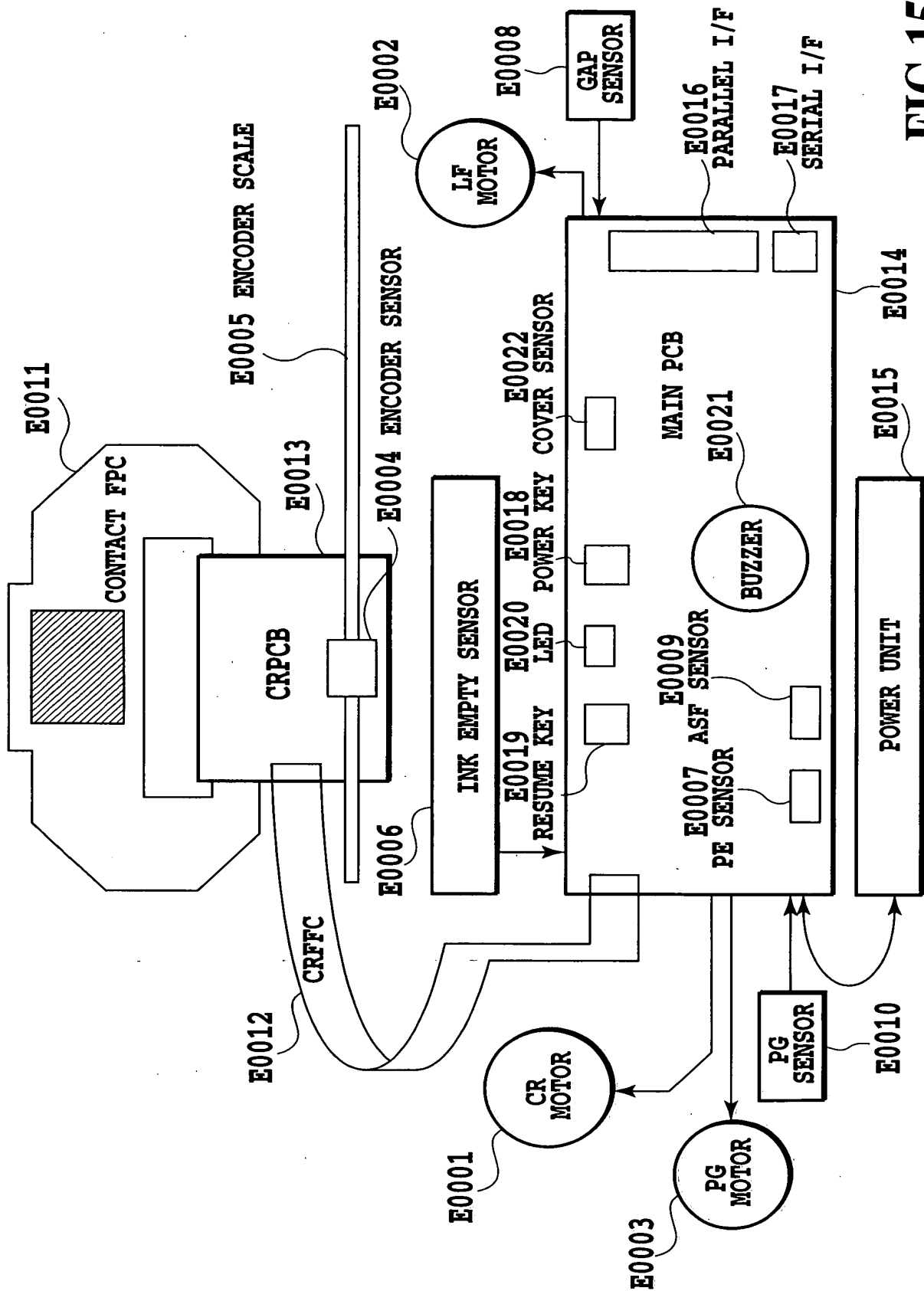


FIG.15

FIG.16

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FIG.16A FIG.16B

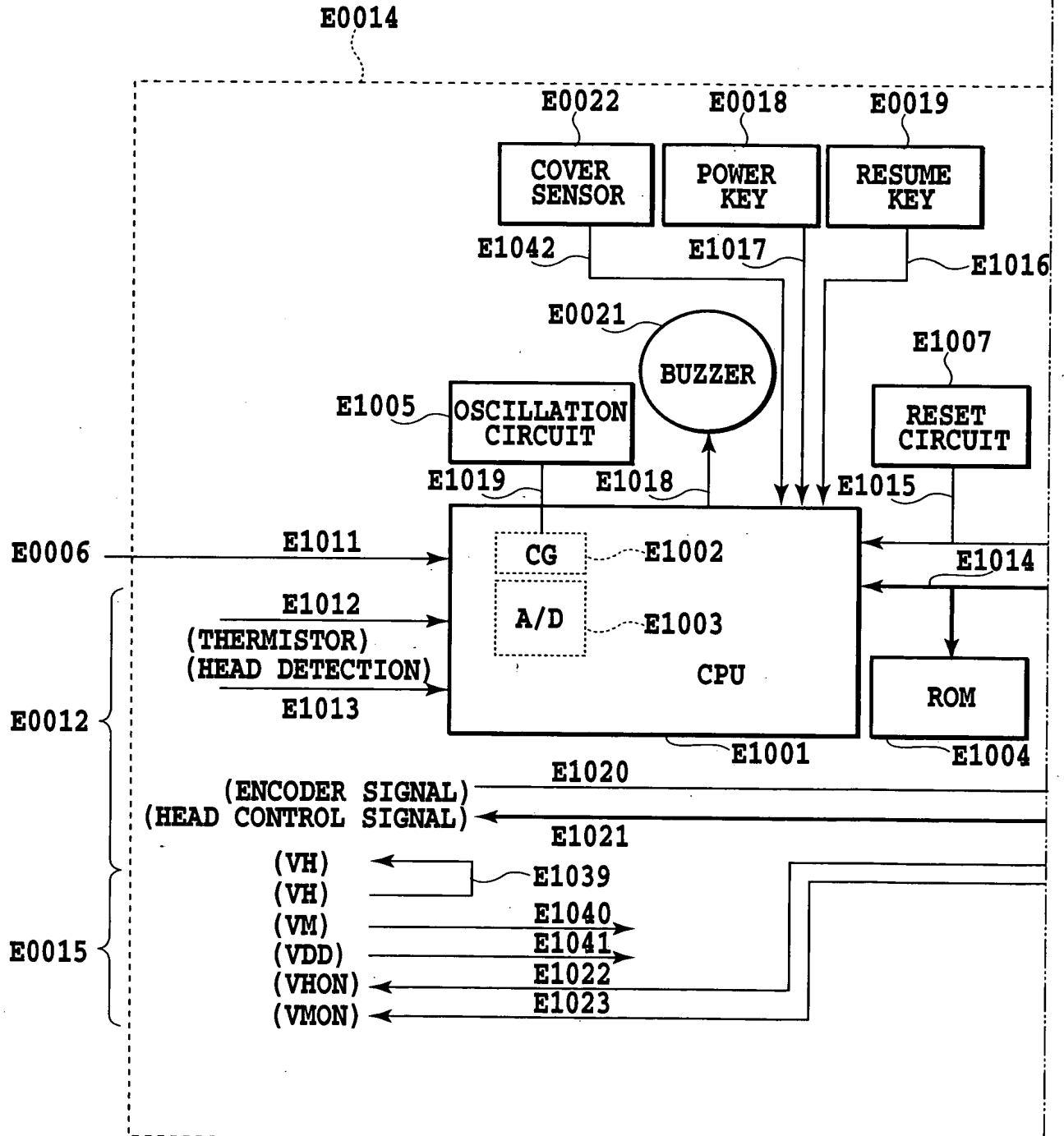


FIG.16A

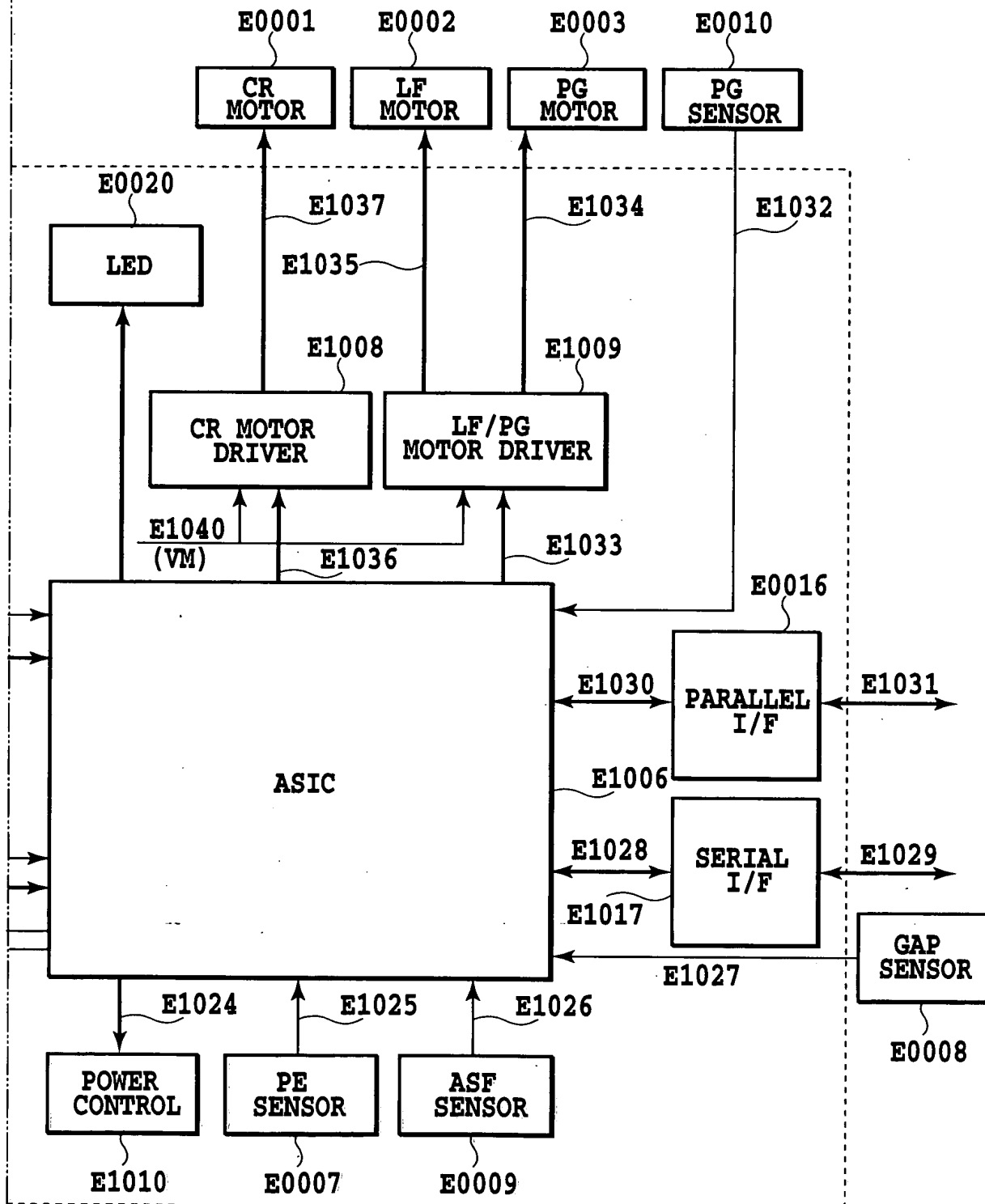


FIG.17

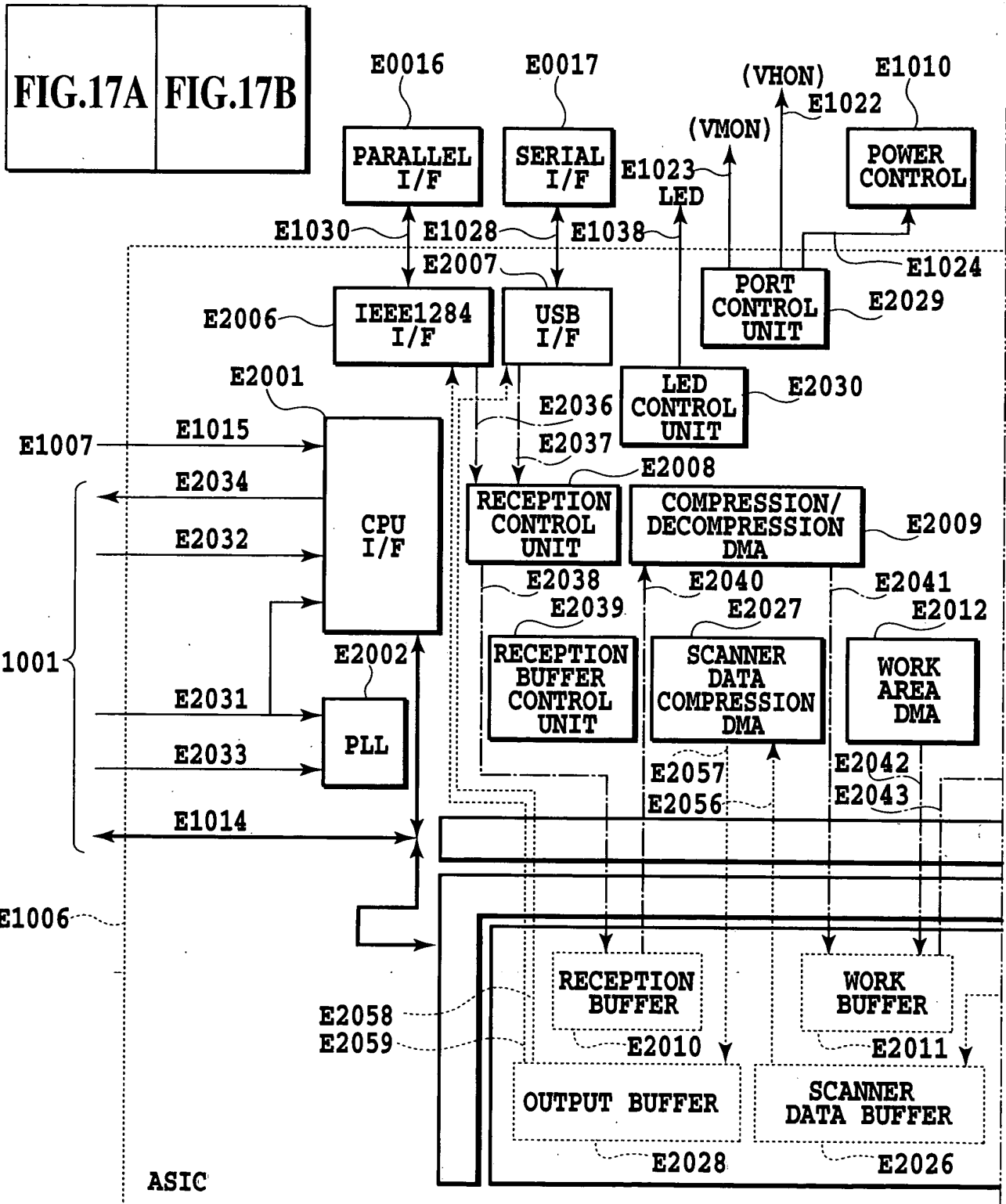


FIG.17A

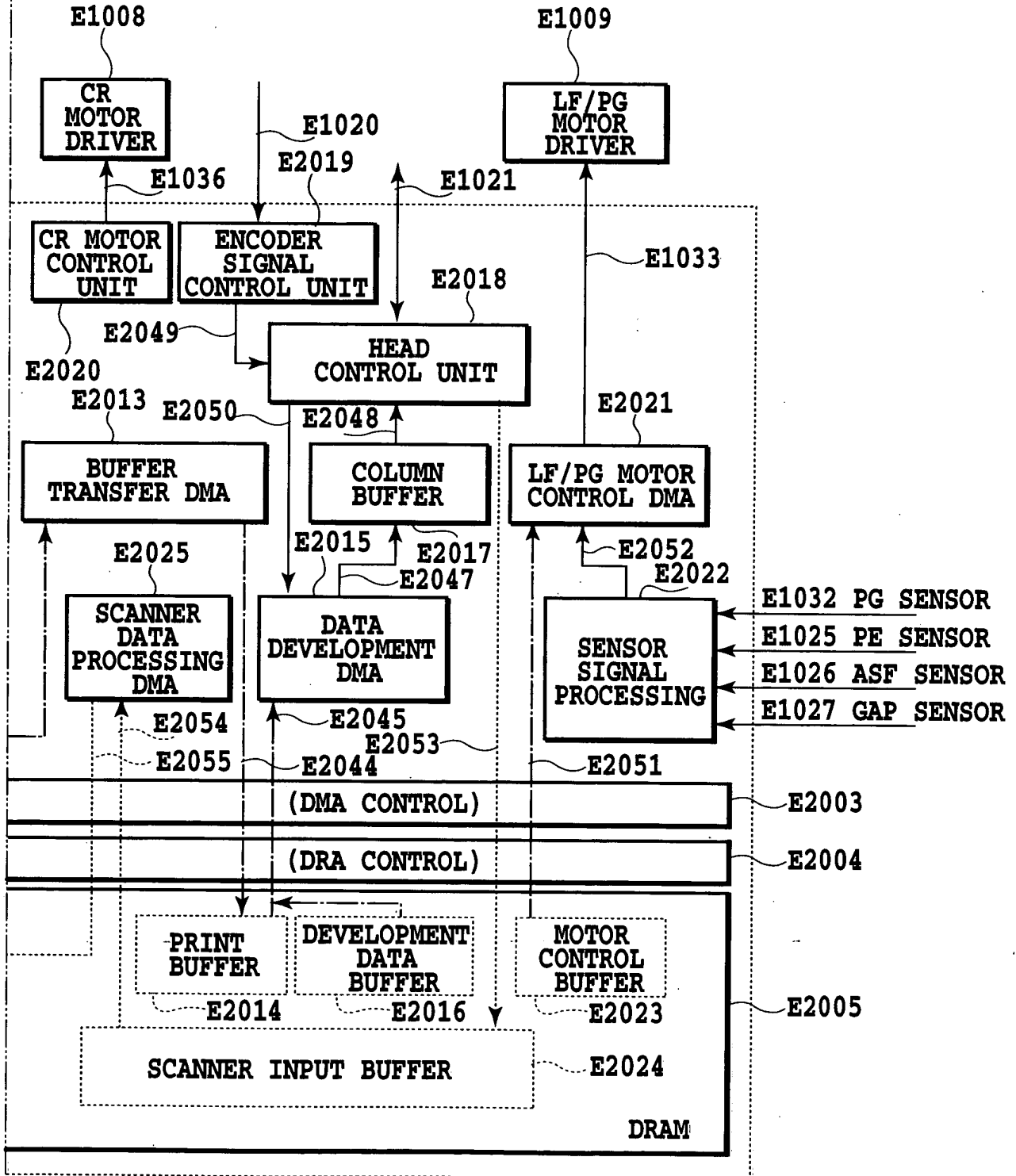


FIG.17B

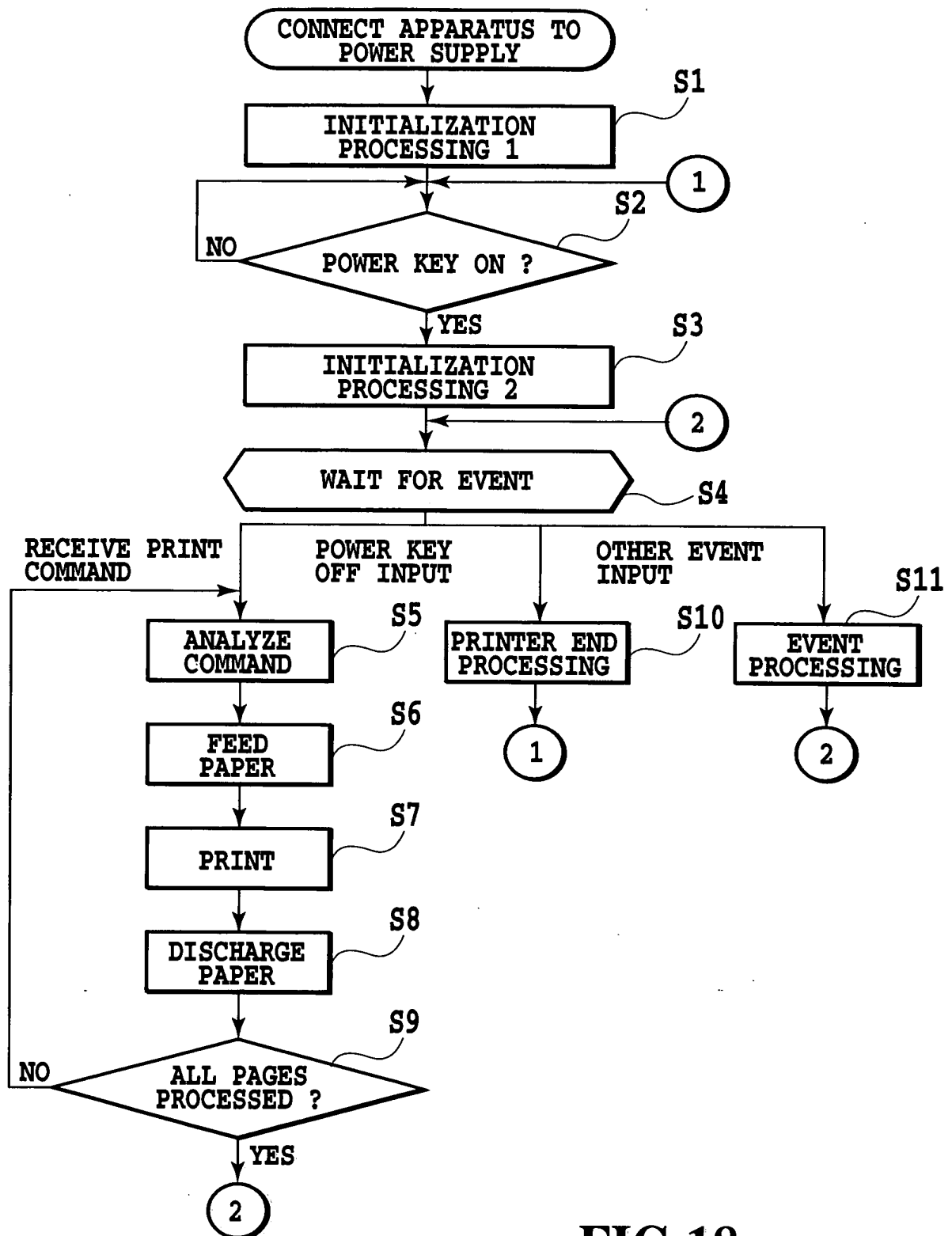
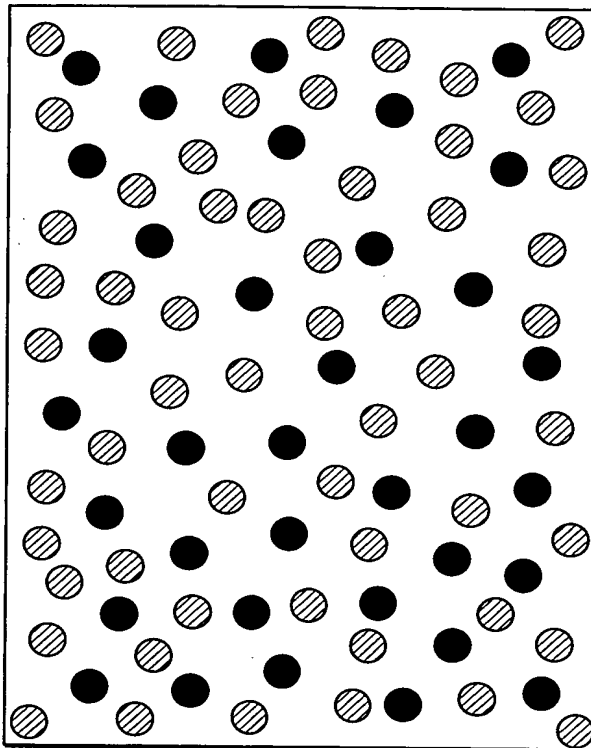


FIG.18

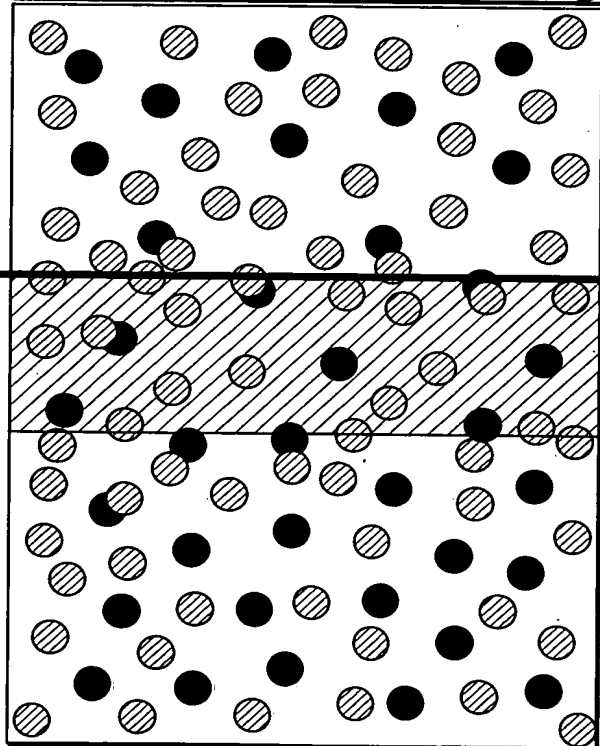
PATCH PRINTED ON
AREA OF SHEET
WHICH IS ENSURED
THAT SHEET IS FED
ACCURATELY
(FIRST AREA)

FIG.19A



PATCH PRINTED ON
AREA OF SHEET
WHICH IS NOT
ENSURED
THAT SHEET IS FED
ACCURATELY
(SECOND AREA)

FIG.19B



WHITE
STRIPE



WHITE
STRIPE

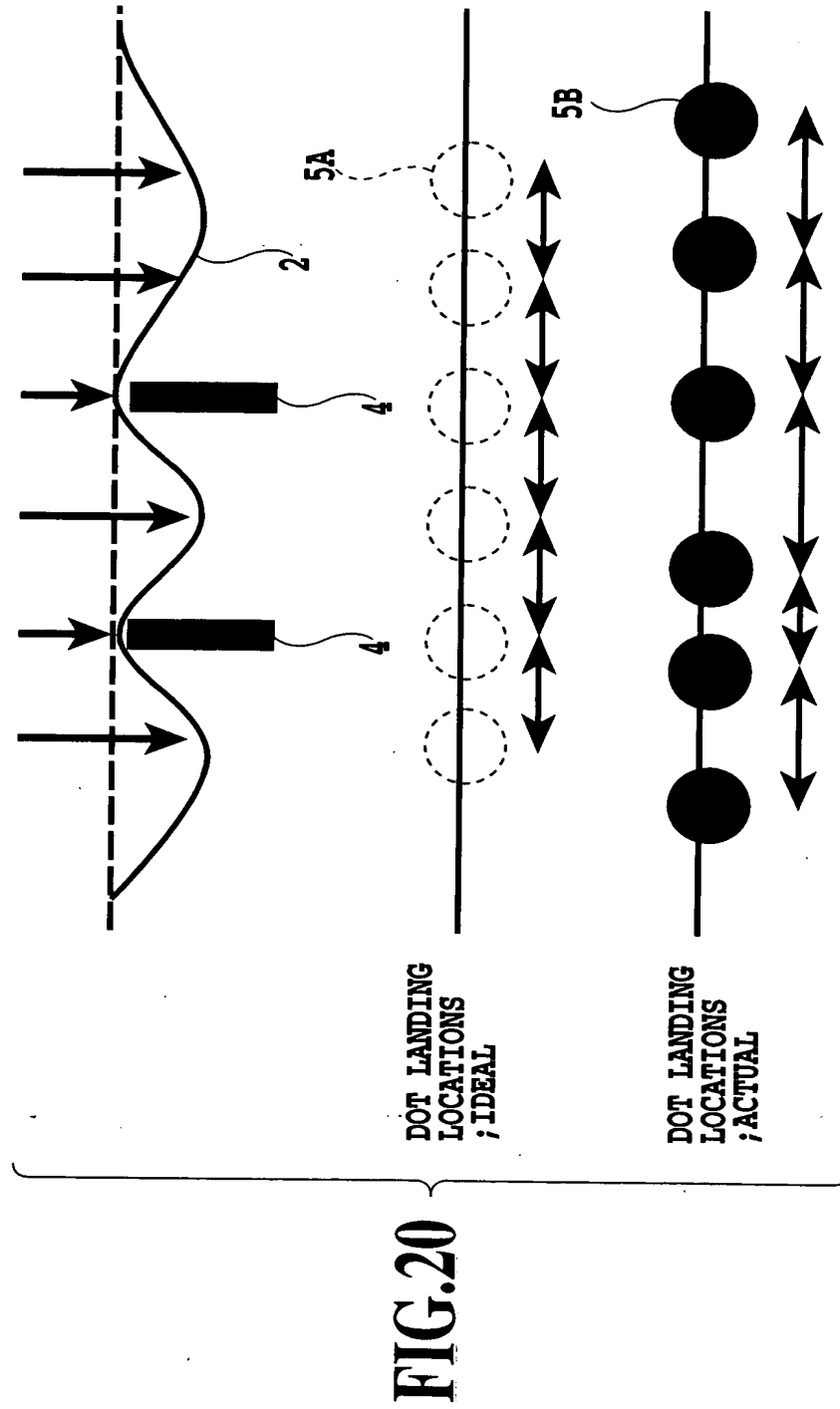


DOTS FORMED
IN FIRST
PASS



DOTS FORMED
IN SECOND
PASS

FIG. 20



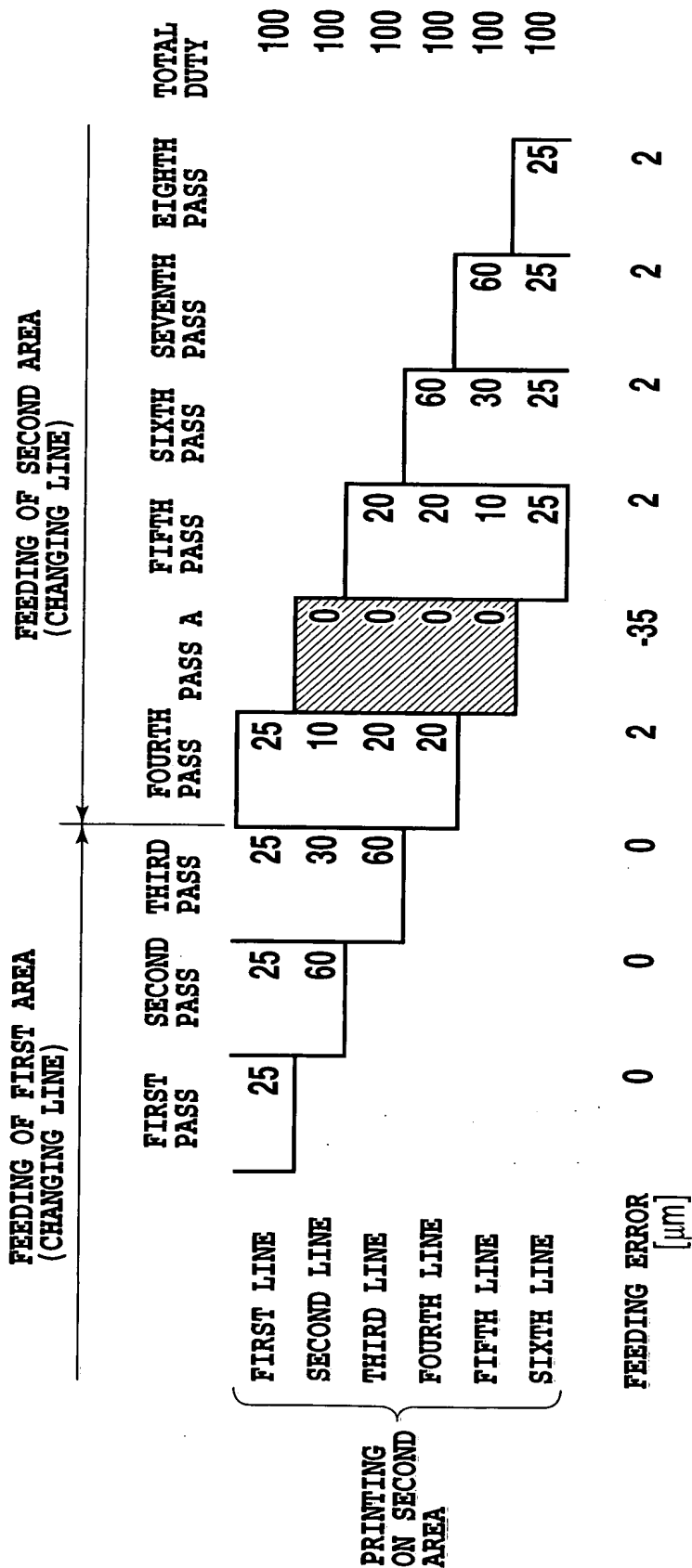


FIG.21

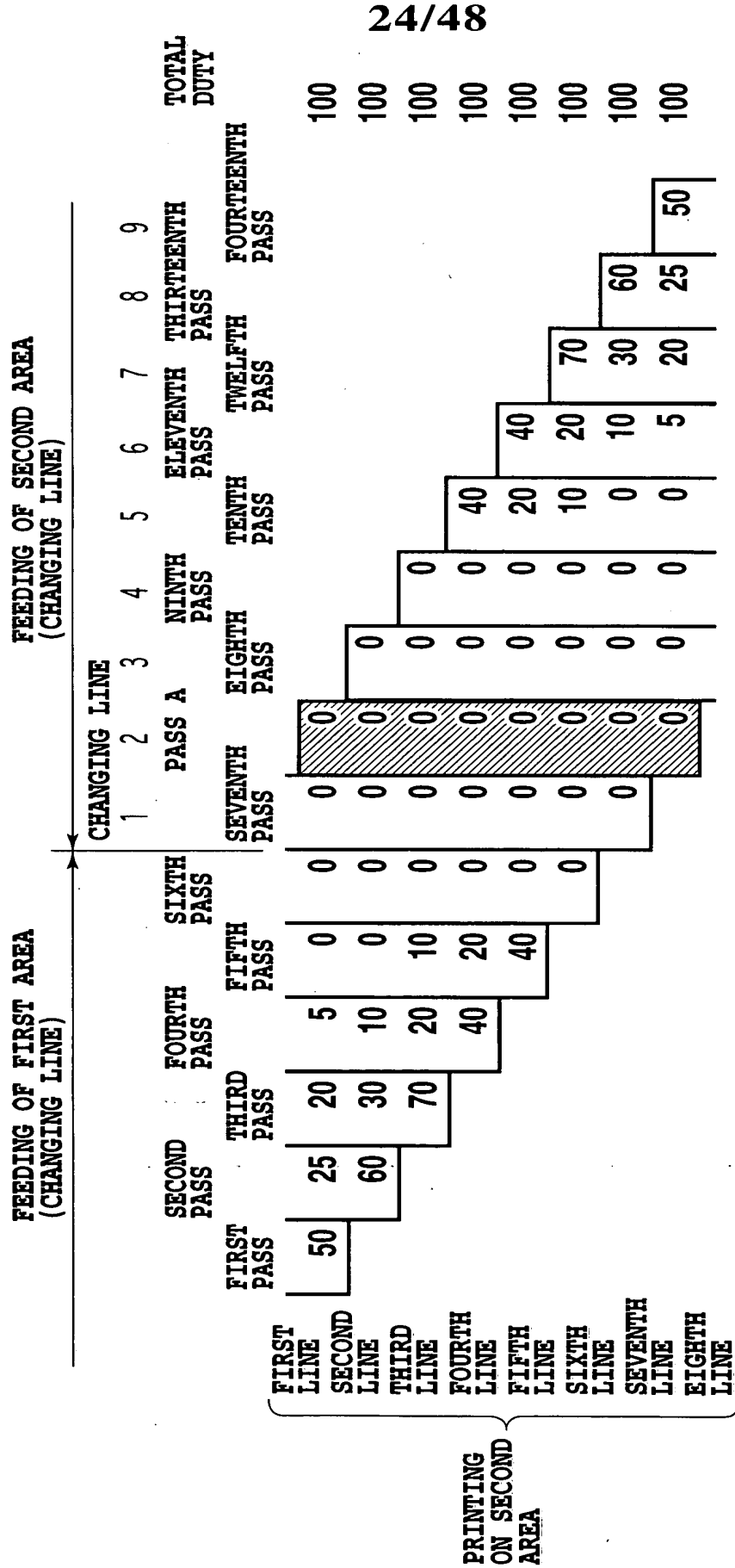
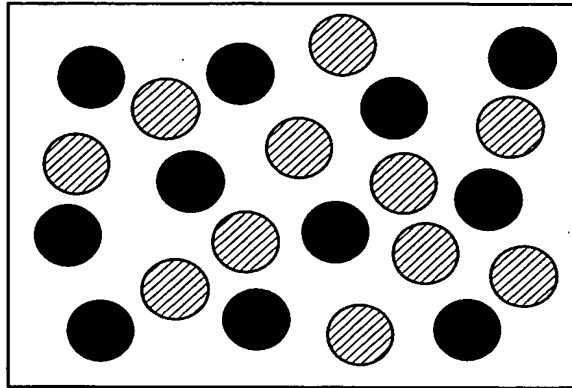
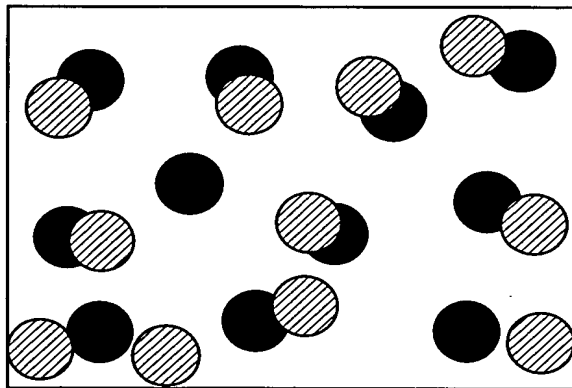


FIG.23A



DOT FORMATION WITHOUT
DEVIATION OF DOTS

FIG.23B



DOT FORMATION WITH
DEVIATION OF DOTS
CAUSED BY FEEDING ERROR




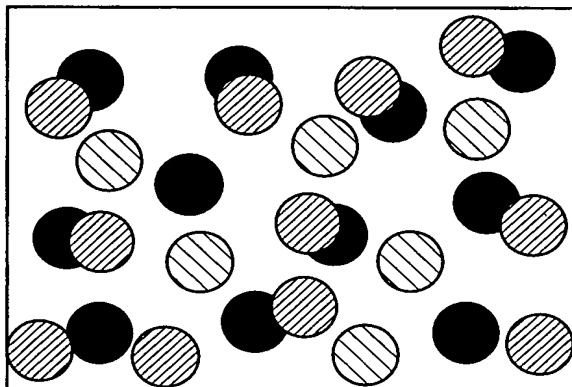
-  DOTS FORMED
IN FIRST PASS
-  DOTS FORMED
IN SECOND PASS
-  NOISE DOTS

FIG.23C



DOT FORMATION OBTAINED
BY ADDING NOISE DOTS
TO THAT OF FIG.23B

106280" 62504600

TOP SECRET

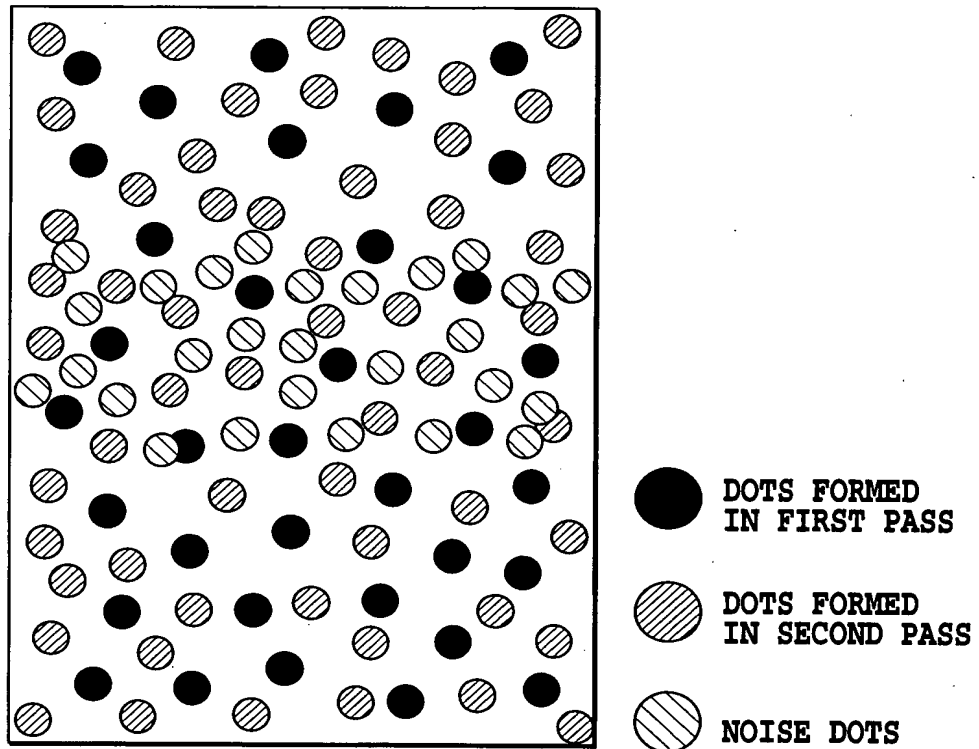
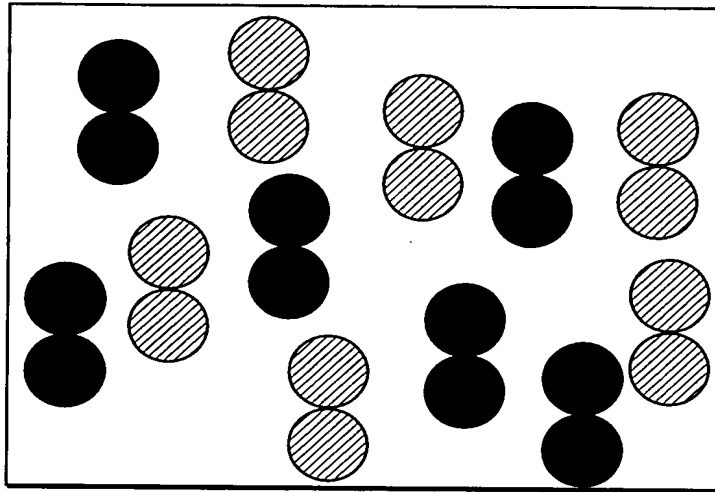


FIG.24

FIRST NEW LINE ;NOISE: 0%
SECOND NEW LINE ;NOISE: 1%
THIRD NEW LINE ;NOISE: 3%
FOURTH NEW LINE ;NOISE: 5%
FIFTH NEW LINE ;NOISE: 3%
SIXTH NEW LINE ;NOISE: 1%
SEVENTH NEW LINE ;NOISE: 0%

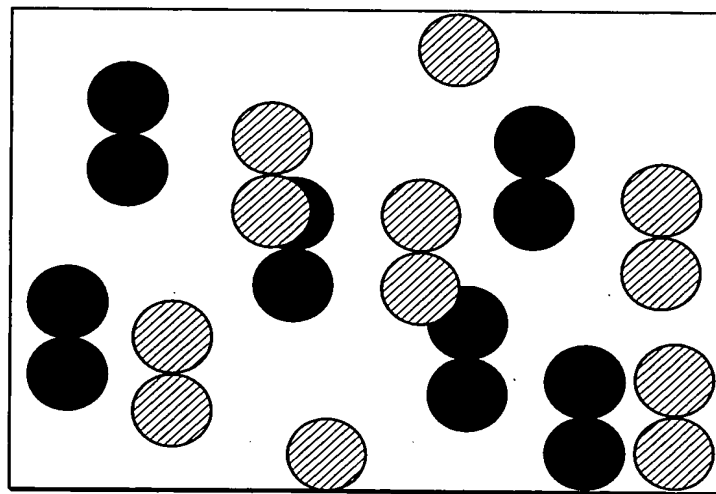
FIG.25

FIG.26A





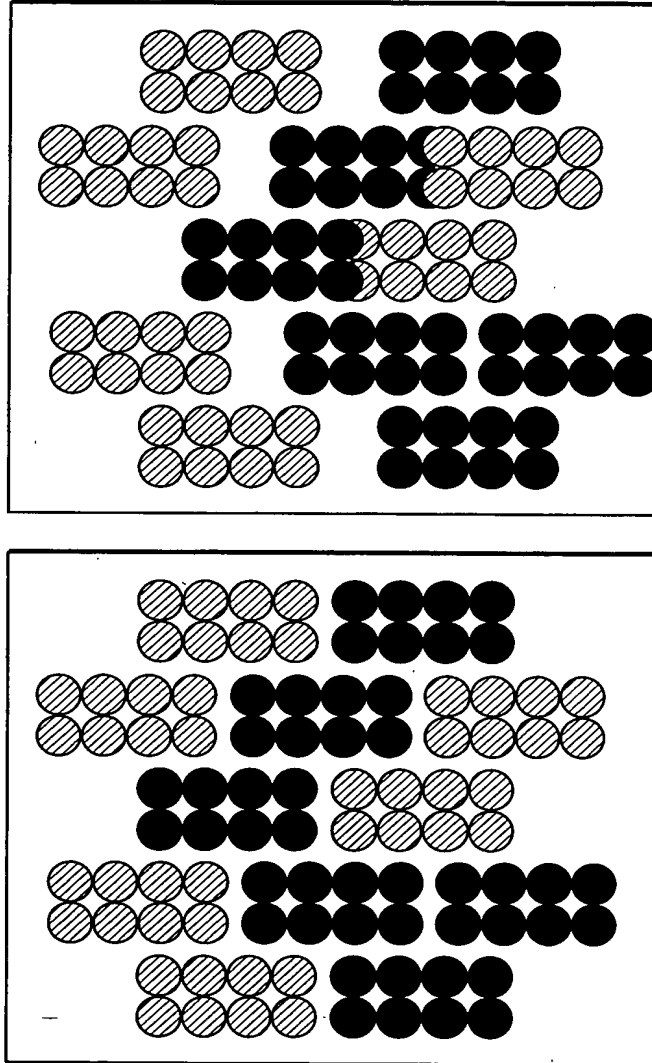
DOT FORMATION WITHOUT FEEDING ERROR

FIG.26B



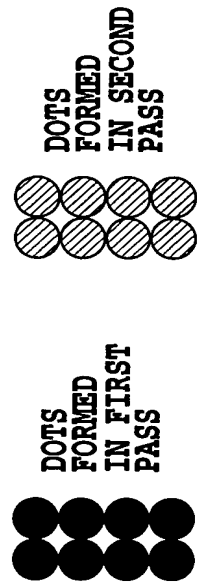
DOT FORMATION WITH FEEDING ERROR

 DOTS FORMED IN FIRST PASS
 DOTS FORMED IN SECOND PASS



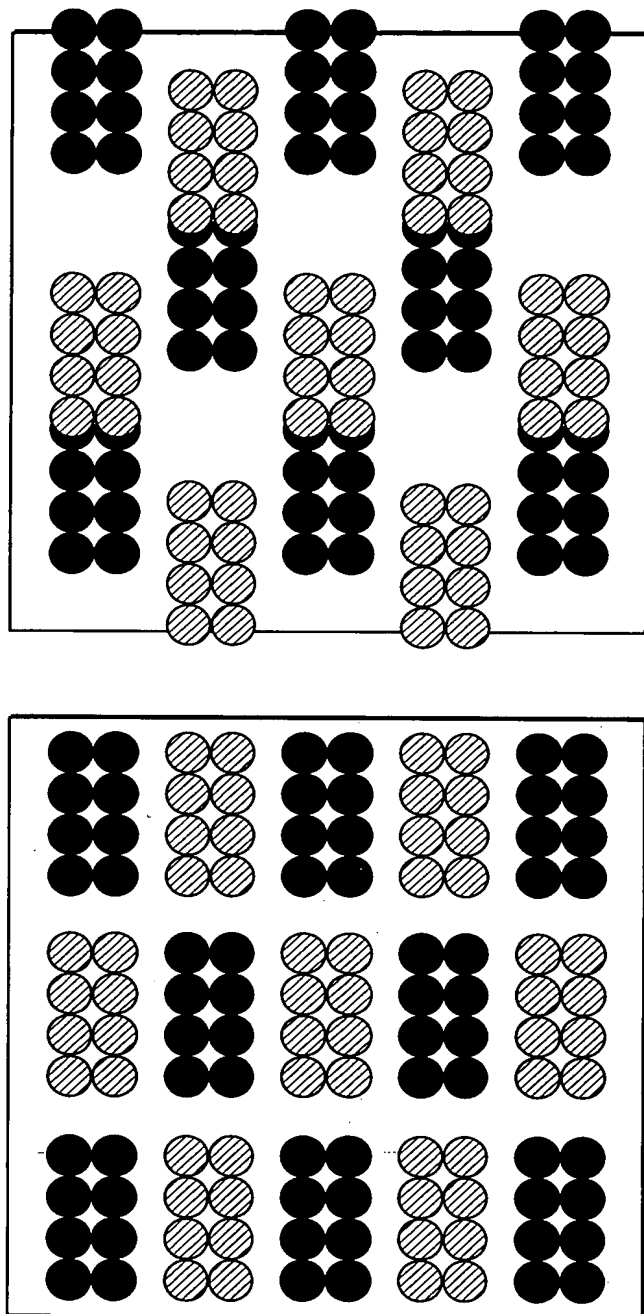
DOT FORMATION WITH FEEDING ERROR

FIG. 27B



DOT FORMATION WITHOUT FEEDING ERROR

FIG. 27A

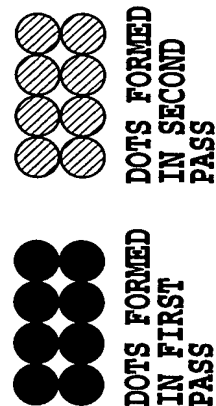


DOT FORMATION WITHOUT ERROR
IN MAIN-SCANNING DIRECTION

FIG.28A

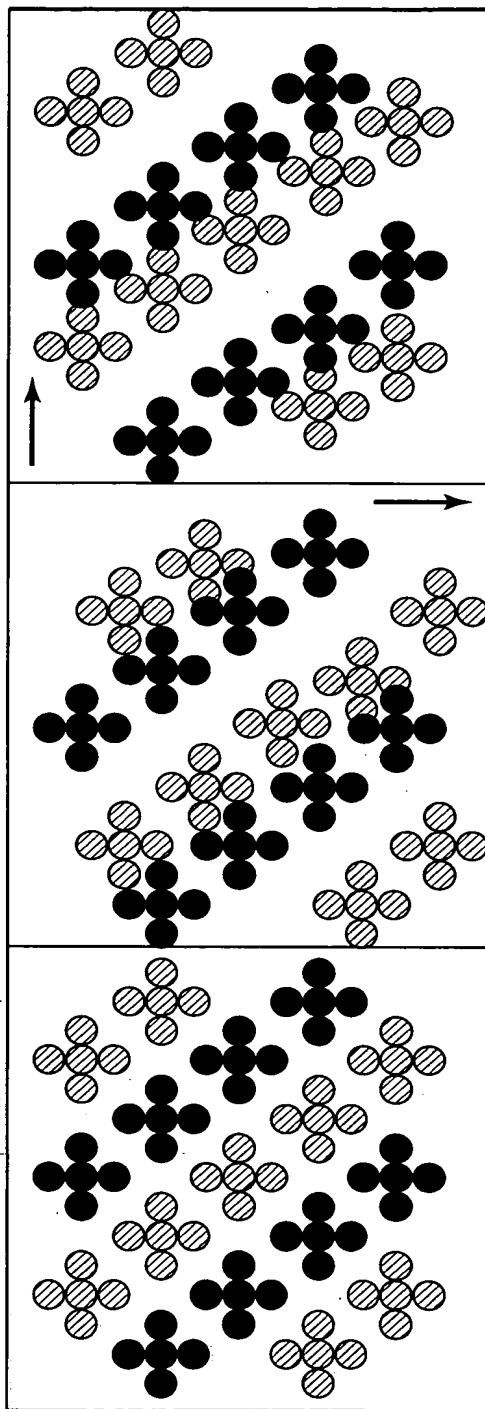
DOT FORMATION WITH ERROR
IN MAIN-SCANNING DIRECTION

FIG.28B



DOTS FORMED
IN FIRST
PASS

DOTS FORMED
IN SECOND
PASS



DOT FORMATION
WITHOUT FEEDING ERROR

DOT FORMATION WITH ERROR
IN SUB-SCANNING DIRECTION

DOT FORMATION WITH ERROR
IN MAIN-SCANNING DIRECTION

FIG.29A

FIG.29B

FIG.29C

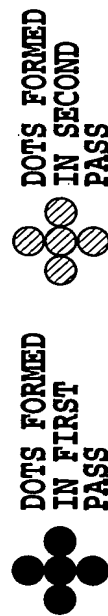
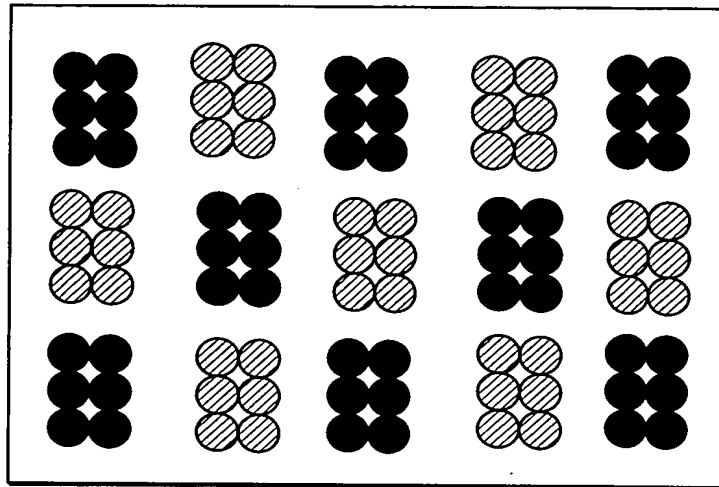
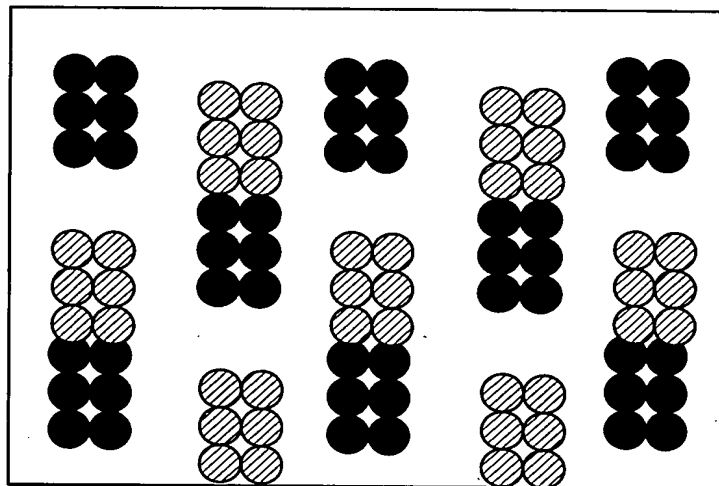


FIG.30A



DOT FORMATION WITHOUT FEEDING ERROR

FIG.30B



DOT FORMATION WITH FEEDING ERROR



 DOTS FORMED IN FIRST PASS
 DOTS FORMED IN SECOND PASS

FIG. 30A 62504600

FIG.31A

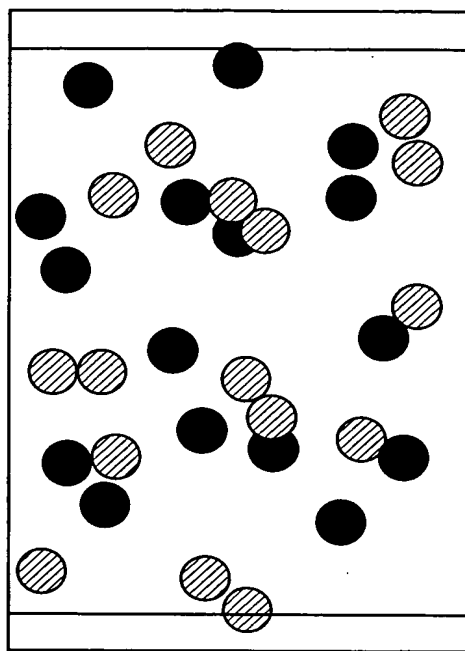


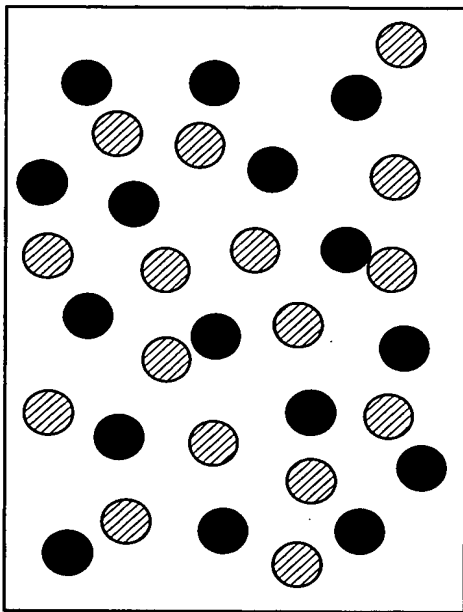


FIG.31B

 DOTS FORMED
IN FIRST
PASS

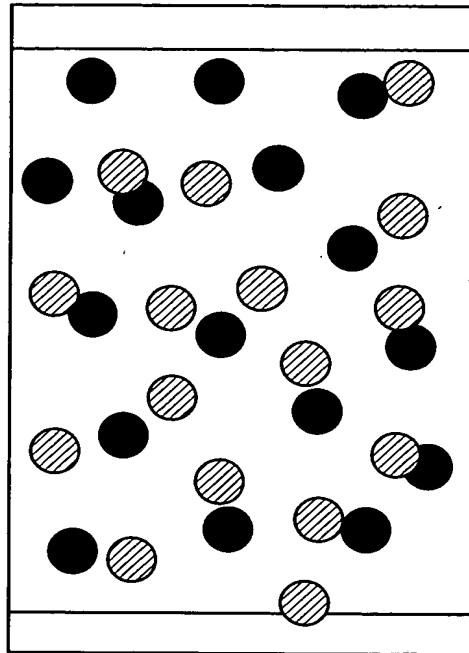
 DOTS FORMED
IN SECOND
PASS

DOT FORMATION WITH USE OF BLUE NOISE
(HIGH FREQUENCY COMPONENTS) MASK



DOT FORMATION
WITHOUT FEEDING ERROR

FIG.32A

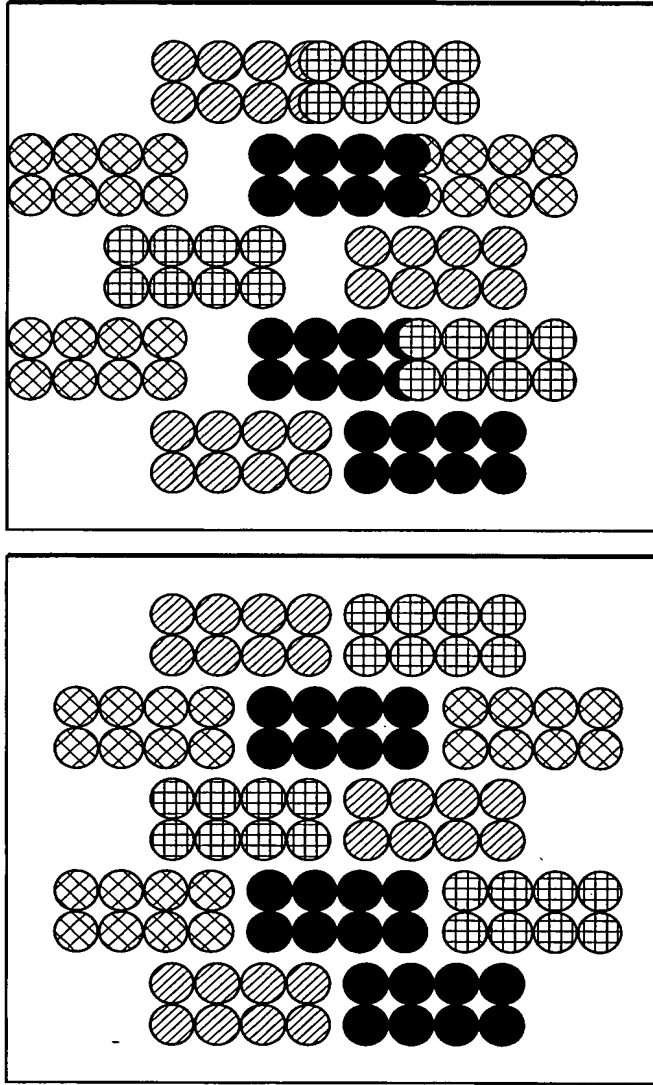


DOT FORMATION
WITH FEEDING ERROR

FIG.32B

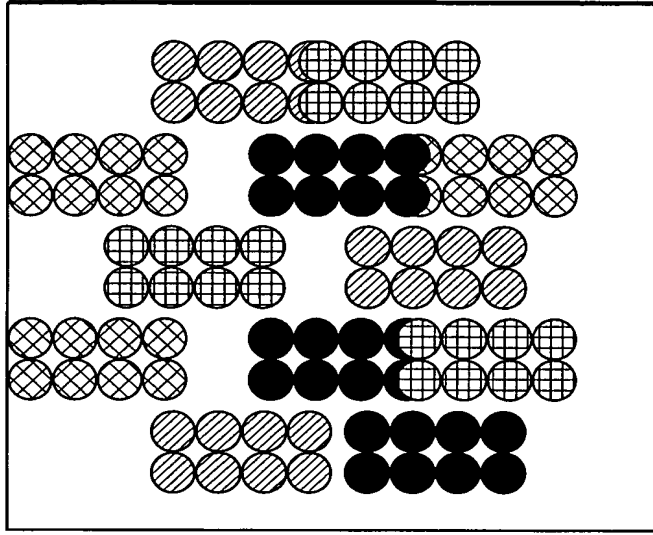
● DOTS FORMED
IN FIRST
PASS
◐ DOTS FORMED
IN SECOND
PASS

FIG. 33A



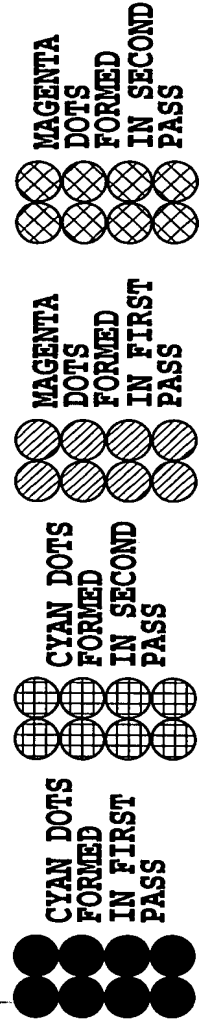
DOT FORMATION WITHOUT
FEEDING ERROR

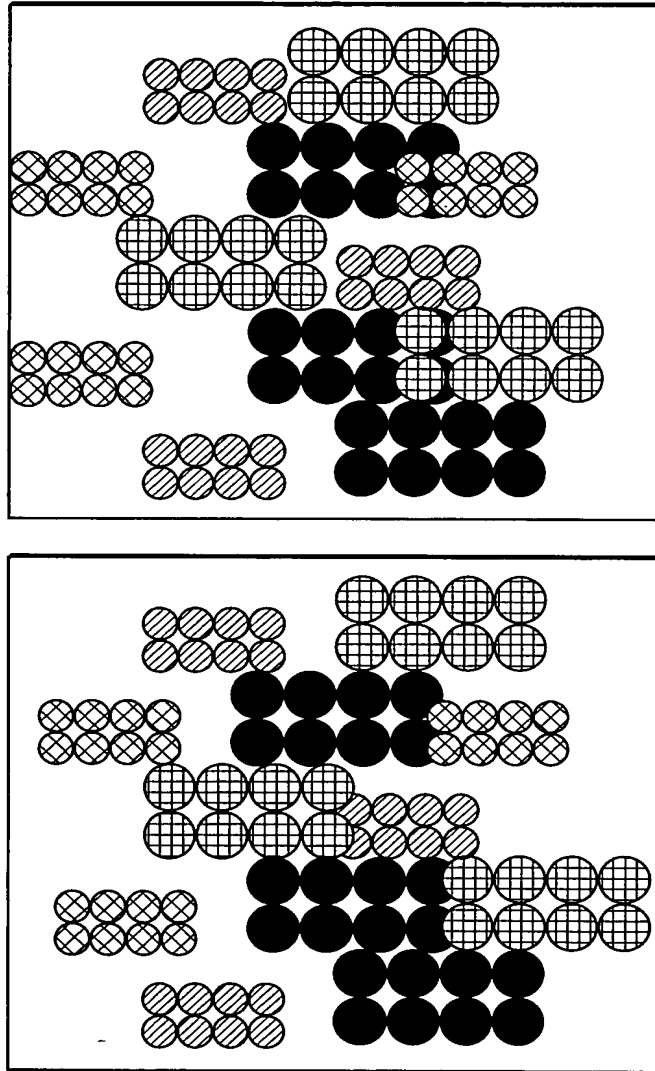
FIG. 33A



DOT FORMATION WITH
FEEDING ERROR

FIG. 33B



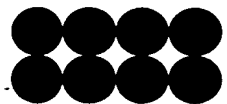


DOT FORMATION WITHOUT
FEEDING ERROR

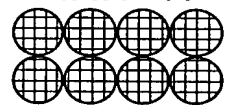
FIG. 34A

DOT FORMATION WITH
FEEDING ERROR

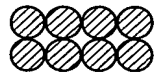
FIG. 34B



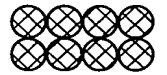
LARGE
DOTS
FORMED
IN FIRST
PASS



LARGE
DOTS
FORMED
IN SECOND
PASS



SMALL
DOTS
FORMED
IN FIRST
PASS



SMALL
DOTS
FORMED
IN SECOND
PASS

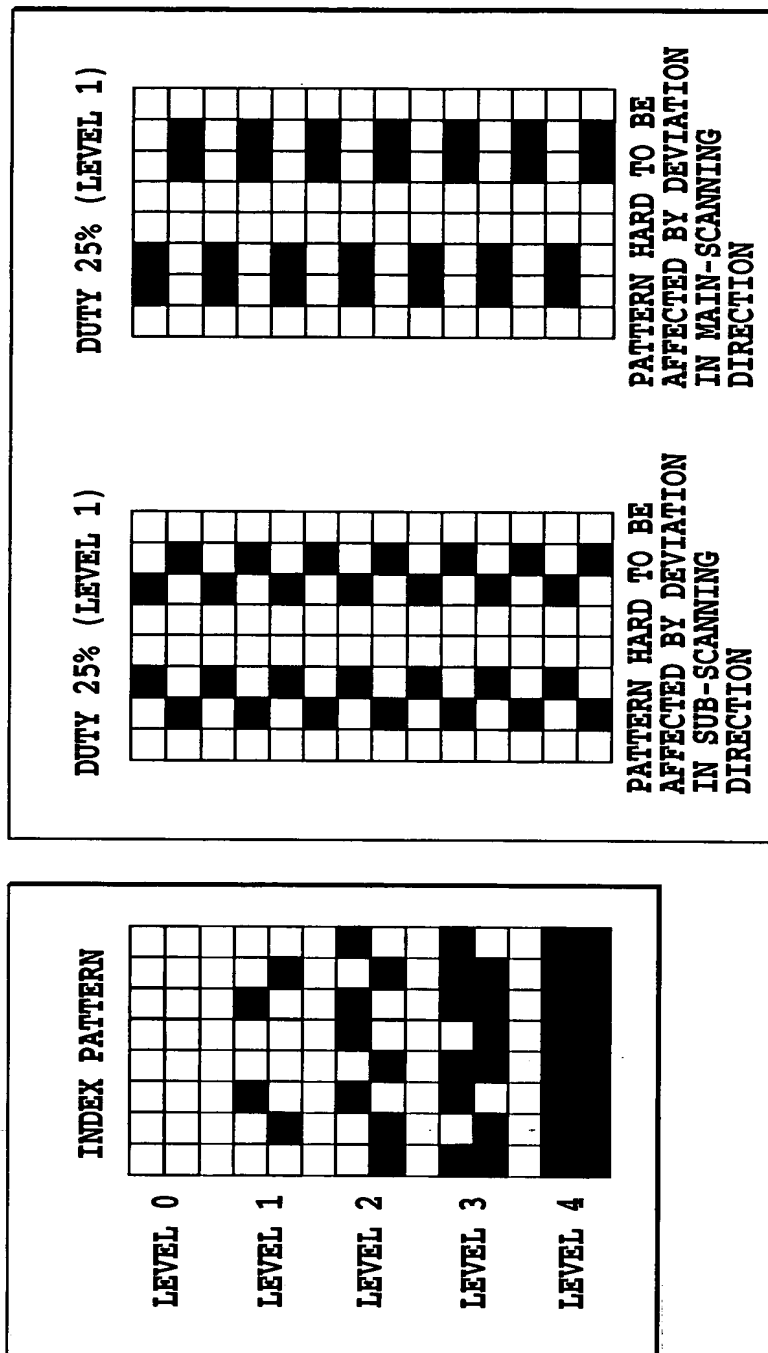


FIG.35A

FIG.35B

NORMAL DIFFUSION
COEFFICIENT

		*	7				
5	3	1	0				

FIG.36A

DIFFUSION
COEFFICIENT USED
FOR CASE OF LARGE
DEVIATION IN
MAIN-SCANNING
DIRECTION

		*	7	5	3	2	1
8	6	5	4	3	2	1	0

FIG.36B

DIFFUSION
COEFFICIENT USED
FOR CASE OF LARGE
DEVIATION IN
SUB-SCANNING
DIRECTION

		*	9	5	2	1	
8	6	5	4	3	1	1	
5	6	3	5	5	6	6	
4	4	3	4	4	5	5	
3	3	3	4	4	3	3	
1	2	6	7	8	9	0	

FIG.36C

* SUBJECT PIXEL

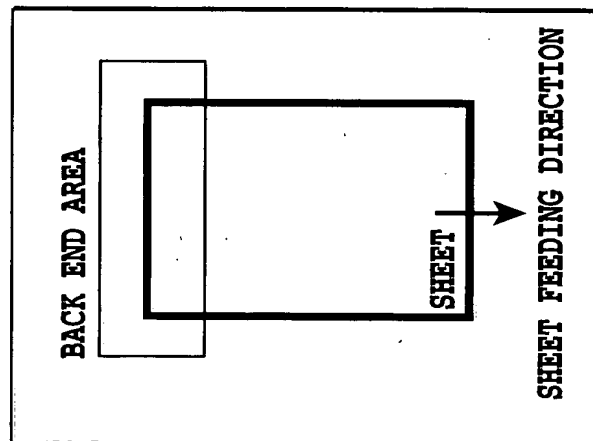


FIG.37A

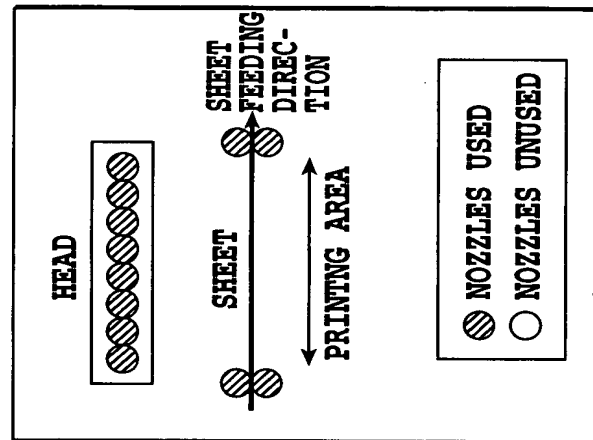


FIG.37B

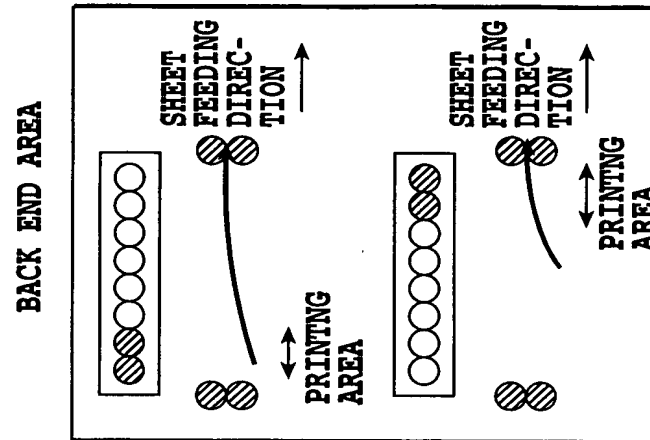
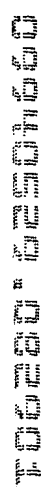


FIG.37C

[illegible]

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63-NOZZLE FEEDING

256-NOZZLE 63-NOZZLE

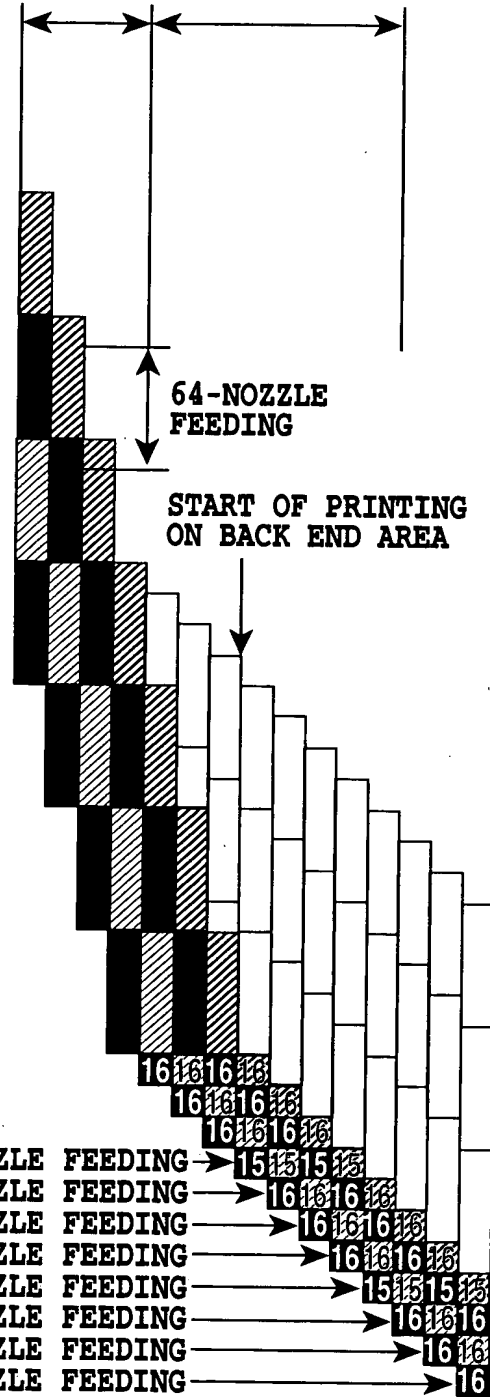


FIG.38B

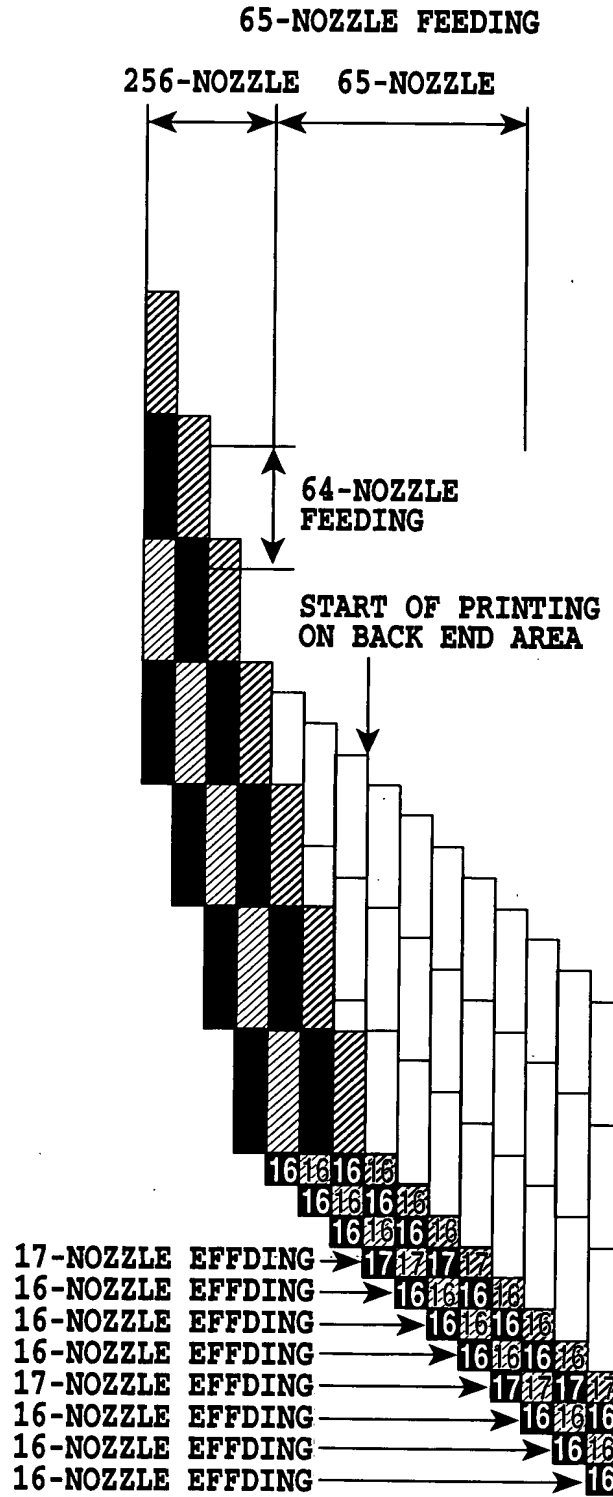


FIG.38C

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FRONT END PROCESS (4-PASS)
64/256-NOZZLE FEEDING

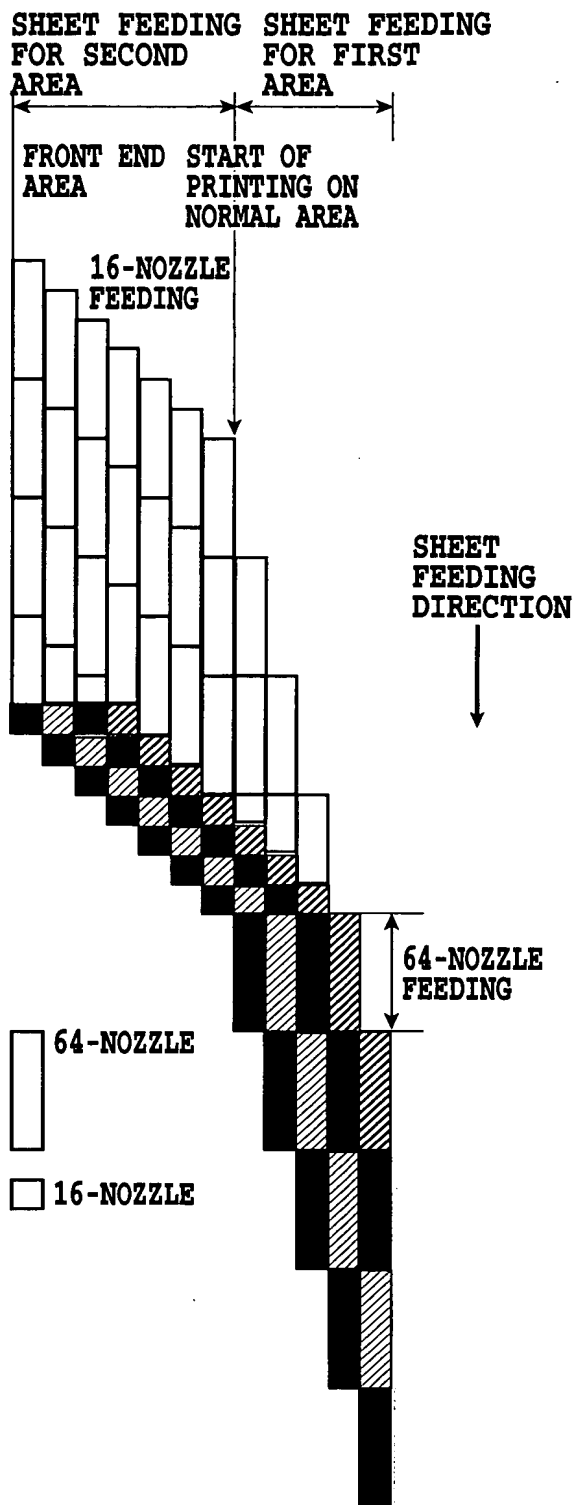


FIG.39A

BACK END PROCESS (4-PASS)
256/64-NOZZLE FEEDING

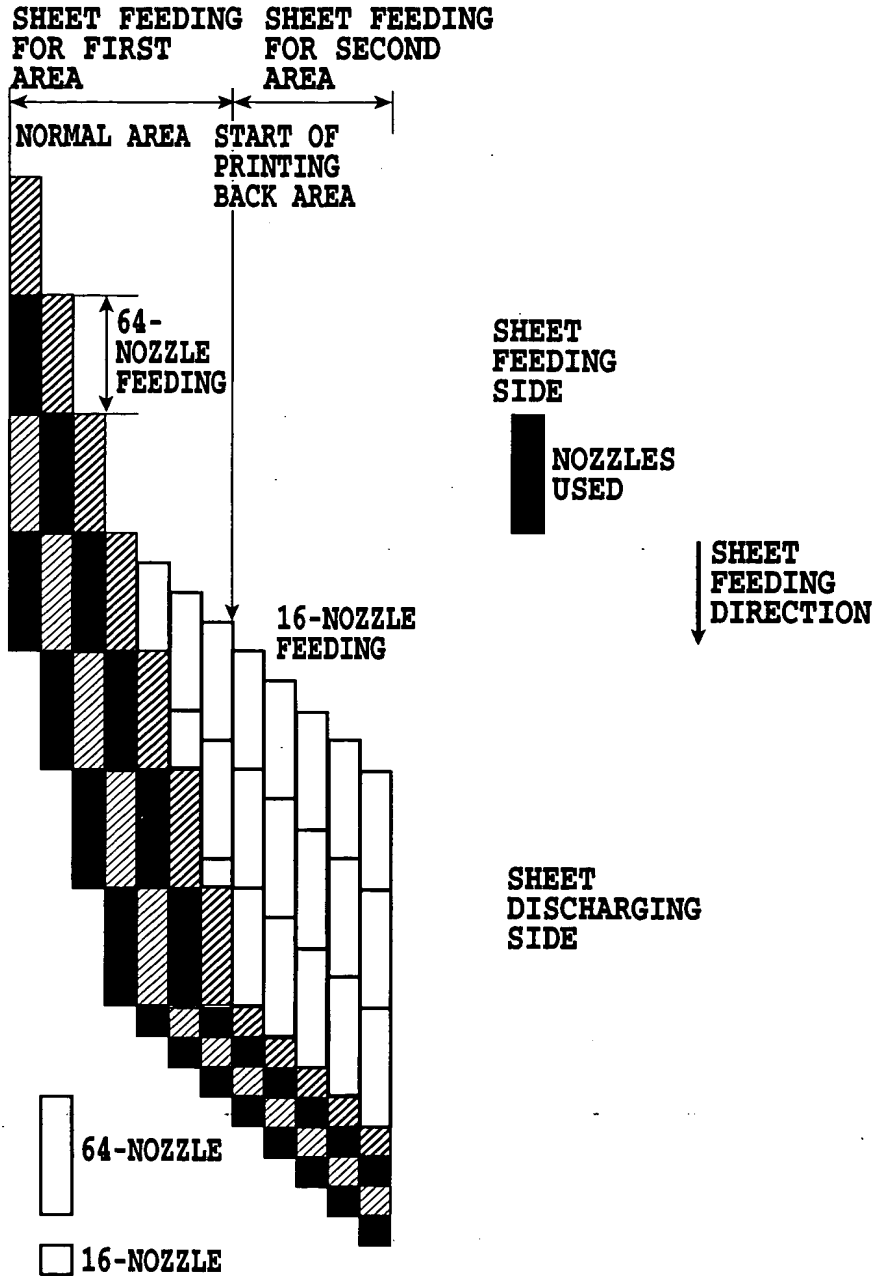


FIG.39B

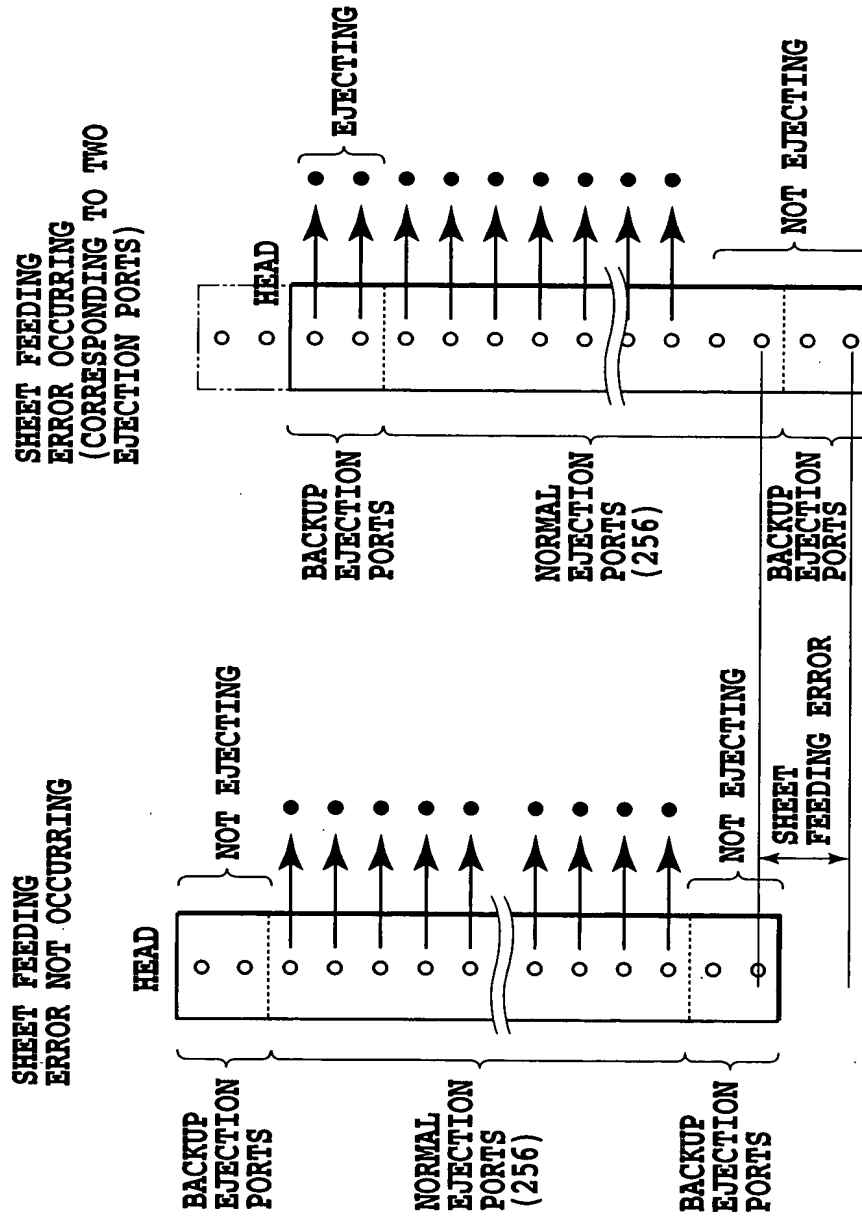


FIG.40

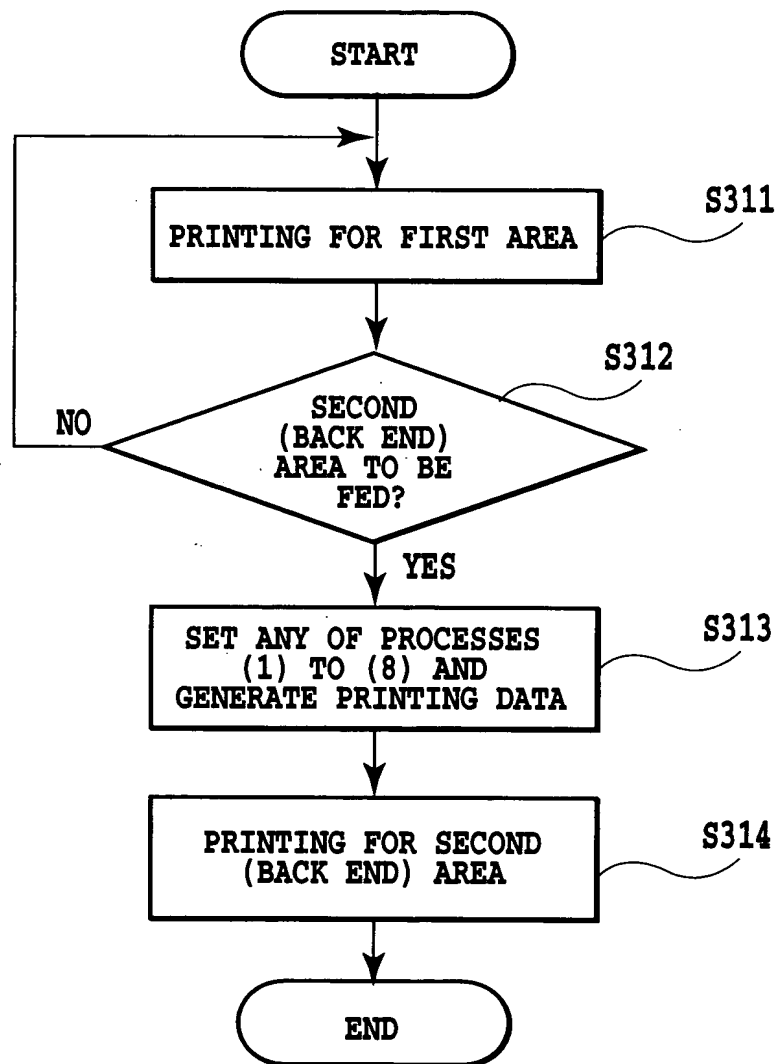


FIG.41

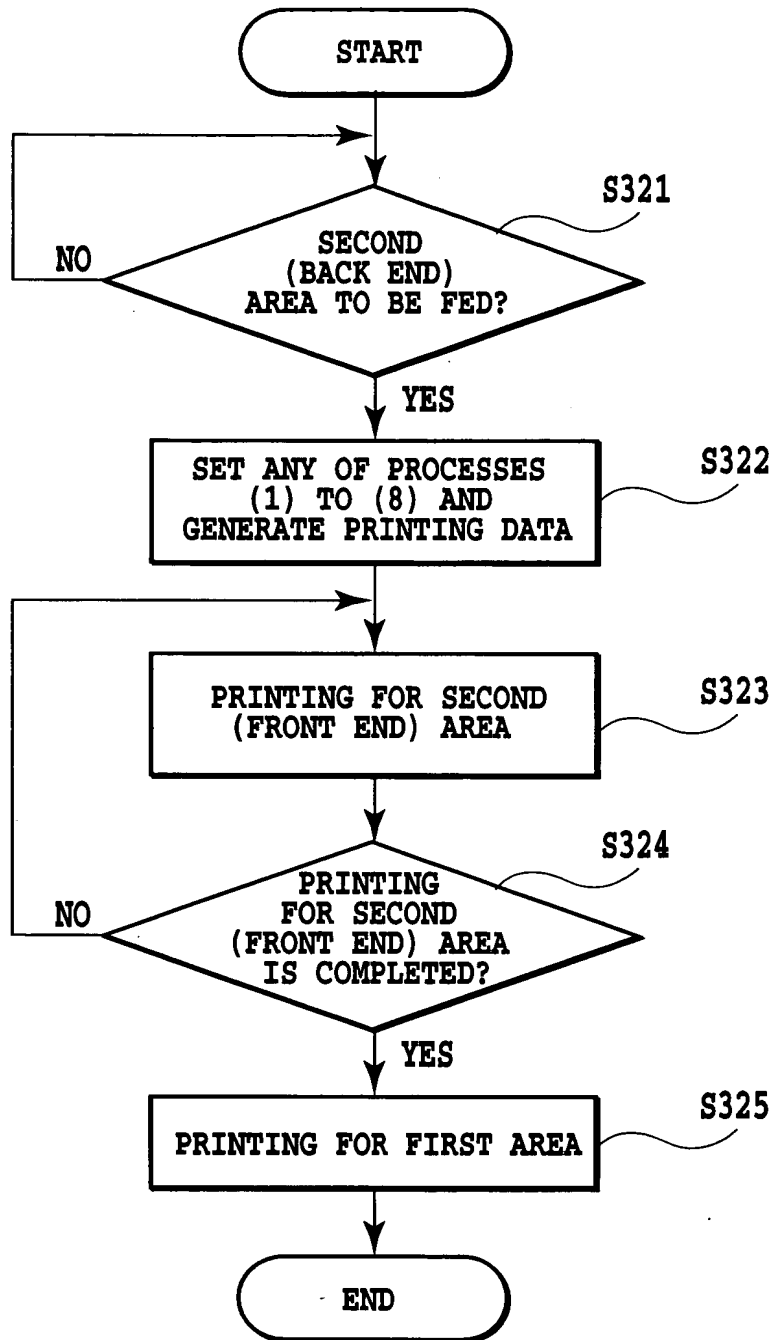


FIG.42

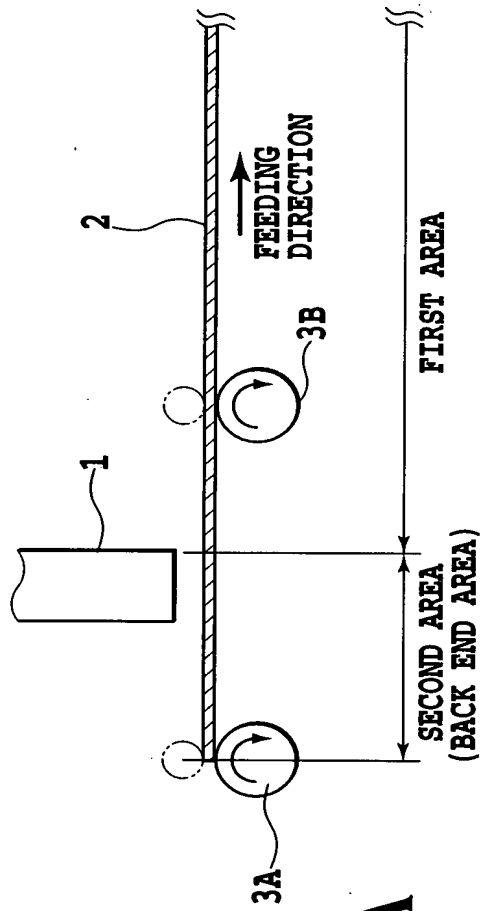


FIG. 43A

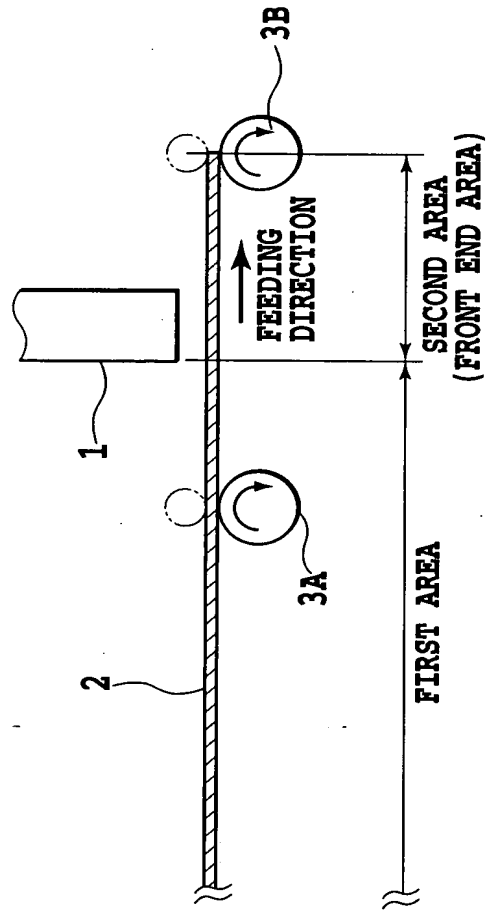


FIG. 43B